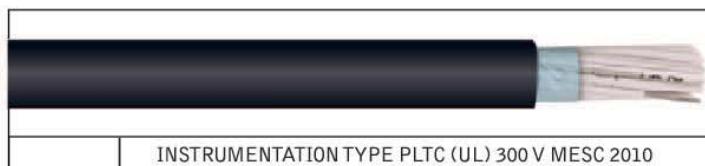


INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL)
XLPE INSULATED MULTICONDUCTOR
UNSHIELDED CABLES

Temperature range - 40°C to +90°C

Specifications: UL13



INSTRUMENTATION TYPE PLTC (UL) 300 V MESC 2010

Application : Industrial signalling and process control circuit in dry or wet locations. The cable can be used in cable trays conduit or direct burial application.

- **Conductor :** Tinned copper to ASTM B33, stranded to class B of ASTM B8.
- **Insulation :** Flame retardant XLPE to ICEA S-82-552.
- **Assembly :** Insulated cores are cabled with suitable non-hygroscopic fillers and polyester binder if necessary.
- **Jacket :** Extruded black PVC as per UL13, oil and sunlight resistant, passes flame test as per IEEE - 383 (70000 BTU). The jacket is impervious to vapour and moisture penetration.

Colour Code	
Conductor No.	Colour
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6 and above	Black with number printing

Other colour codes can be manufactured on request



**INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL)
XLPE INSULATED MULTICONDUCTOR
UNSHIELDED CABLES**

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter No. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
20	01001	0124-02C20AWG-U0BK8-03	2	7X0.307	0.38	0.89	5.6	43
	01002	0124-03C20AWG-U0BK8-03	3	7X0.307	0.38	0.89	5.8	48
	01003	0124-04C20AWG-U0BK8-03	4	7X0.307	0.38	0.89	6.3	58
	01004	0124-05C20AWG-U0BK8-03	5	7X0.307	0.38	1.01	6.8	68
	01005	0124-06C20AWG-U0BK8-03	6	7X0.307	0.38	1.01	7.8	82
	01006	0124-07C20AWG-U0BK8-03	7	7X0.307	0.38	1.01	7.8	85
	01007	0124-08C20AWG-U0BK8-03	8	7X0.307	0.38	1.01	8.4	97
	01008	0124-09C20AWG-U0BK8-03	9	7X0.307	0.38	1.01	8.9	108
	01009	0124-10C20AWG-U0BK8-03	10	7X0.307	0.38	1.01	9.6	115
	01010	0124-12C20AWG-U0BK8-03	12	7X0.307	0.38	1.27	10.4	143
	01011	0124-15C20AWG-U0BK8-03	15	7X0.307	0.38	1.27	11.4	172
	01012	0124-16C20AWG-U0BK8-03	16	7X0.307	0.38	1.27	11.4	180
	01013	0124-19C20AWG-U0BK8-03	19	7X0.307	0.38	1.27	11.9	201
	01014	0124-20C20AWG-U0BK8-03	20	7X0.307	0.38	1.27	12.5	214
	01015	0124-24C20AWG-U0BK8-03	24	7X0.307	0.38	1.27	13.7	247
	01016	0124-25C20AWG-U0BK8-03	25	7X0.307	0.38	1.27	13.7	254
	01017	0124-27C20AWG-U0BK8-03	27	7X0.307	0.38	1.27	14.0	270
	01018	0124-30C20AWG-U0BK8-03	30	7X0.307	0.38	1.27	14.4	291
	01019	0124-37C20AWG-U0BK8-03	37	7X0.307	0.38	1.52	16.0	367
	01020	0124-48C20AWG-U0BK8-03	48	7X0.307	0.38	1.52	18.0	454
	01021	0124-61C20AWG-U0BK8-03	61	7X0.307	0.38	1.52	19.6	558

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter No. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
18	01022	0124-02C18AWG-U0BK8-03	2	7X0.386	0.38	0.89	6.0	52
	01023	0124-03C18AWG-U0BK8-03	3	7X0.386	0.38	0.89	6.4	63
	01024	0124-04C18AWG-U0BK8-03	4	7X0.386	0.38	0.89	6.9	75
	01025	0124-05C18AWG-U0BK8-03	5	7X0.386	0.38	1.01	7.7	94
	01026	0124-06C18AWG-U0BK8-03	6	7X0.386	0.38	1.01	8.5	106
	01027	0124-07C18AWG-U0BK8-03	7	7X0.386	0.38	1.01	8.5	111
	01028	0124-08C18AWG-U0BK8-03	8	7X0.386	0.38	1.01	9.2	128
	01029	0124-09C18AWG-U0BK8-03	9	7X0.386	0.38	1.01	9.8	144
	01030	0124-10C18AWG-U0BK8-03	10	7X0.386	0.38	1.27	11.1	167
	01031	0124-12C18AWG-U0BK8-03	12	7X0.386	0.38	1.27	11.4	189
	01032	0124-15C18AWG-U0BK8-03	15	7X0.386	0.38	1.27	12.5	228
	01033	0124-16C18AWG-U0BK8-03	16	7X0.386	0.38	1.27	12.5	238
	01034	0124-19C18AWG-U0BK8-03	19	7X0.386	0.38	1.27	13.1	270
	01035	0124-20C18AWG-U0BK8-03	20	7X0.386	0.38	1.27	13.8	287
	01036	0124-24C18AWG-U0BK8-03	24	7X0.386	0.38	1.27	15.1	332
	01037	0124-25C18AWG-U0BK8-03	25	7X0.386	0.38	1.27	15.1	342
	01038	0124-27C18AWG-U0BK8-03	27	7X0.386	0.38	1.52	15.9	382
	01039	0124-30C18AWG-U0BK8-03	30	7X0.386	0.38	1.52	16.5	420
	01040	0124-37C18AWG-U0BK8-03	37	7X0.386	0.38	1.52	17.7	499
	01041	0124-48C18AWG-U0BK8-03	48	7X0.386	0.38	1.52	20.0	625
	01042	0124-61C18AWG-U0BK8-03	61	7X0.386	0.38	1.52	21.7	767

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL)
XLPE INSULATED MULTICONDUCTOR
UNSHIELDED CABLES

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter No. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
	01043	0124-02C16AWG-U0BK8-03	2	7X0.488	0.38	0.89	6.6	68
	01044	0124-03C16AWG-U0BK8-03	3	7X0.488	0.38	0.89	7.0	83
	01045	0124-04C16AWG-U0BK8-03	4	7X0.488	0.38	1.01	7.8	104
	01046	0124-05C16AWG-U0BK8-03	5	7X0.488	0.38	1.01	8.5	125
	01047	0124-06C16AWG-U0BK8-03	6	7X0.488	0.38	1.01	9.4	142
	01048	0124-07C16AWG-U0BK8-03	7	7X0.488	0.38	1.01	9.4	150
	01049	0124-08C16AWG-U0BK8-03	8	7X0.488	0.38	1.27	10.7	186
	01050	0124-09C16AWG-U0BK8-03	9	7X0.488	0.38	1.27	11.4	210
	01051	0124-10C16AWG-U0BK8-03	10	7X0.488	0.38	1.27	12.3	225
16	01052	0124-12C16AWG-U0BK8-03	12	7X0.488	0.38	1.27	12.6	255
	01053	0124-15C16AWG-U0BK8-03	15	7X0.488	0.38	1.27	13.9	311
	01054	0124-16C16AWG-U0BK8-03	16	7X0.488	0.38	1.27	13.9	327
	01055	0124-19C16AWG-U0BK8-03	19	7X0.488	0.38	1.27	14.6	373
	01056	0124-20C16AWG-U0BK8-03	20	7X0.488	0.38	1.27	15.4	398
	01057	0124-24C16AWG-U0BK8-03	24	7X0.488	0.38	1.52	17.4	483
	01058	0124-25C16AWG-U0BK8-03	25	7X0.488	0.38	1.52	17.4	498
	01059	0124-27C16AWG-U0BK8-03	27	7X0.488	0.38	1.52	17.8	532
	01060	0124-30C16AWG-U0BK8-03	30	7X0.488	0.38	1.52	18.4	582
	01061	0124-37C16AWG-U0BK8-03	37	7X0.488	0.38	1.52	19.8	698
	01062	0124-48C16AWG-U0BK8-03	48	7X0.488	0.38	1.78	23.0	911
	01063	0124-61C16AWG-U0BK8-03	61	7X0.488	0.38	1.78	24.9	1118

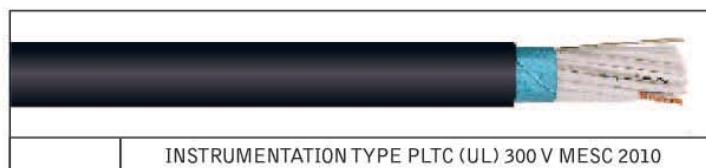
Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter No. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
	01064	0124-02C14AWG-U0BK8-03	2	7X0.615	0.38	1.01	7.7	98
	01065	0124-03C14AWG-U0BK8-03	3	7X0.615	0.38	1.01	8.1	119
	01066	0124-04C14AWG-U0BK8-03	4	7X0.615	0.38	1.01	8.8	145
	01067	0124-05C14AWG-U0BK8-03	5	7X0.615	0.38	1.01	9.6	176
	01068	0124-06C14AWG-U0BK8-03	6	7X0.615	0.38	1.27	11.1	212
	01069	0124-07C14AWG-U0BK8-03	7	7X0.615	0.38	1.27	11.1	226
	01070	0124-08C14AWG-U0BK8-03	8	7X0.615	0.38	1.27	12.0	260
	01071	0124-09C14AWG-U0BK8-03	9	7X0.615	0.38	1.27	12.8	293
	01072	0124-10C14AWG-U0BK8-03	10	7X0.615	0.38	1.27	13.8	313
14	01073	0124-12C14AWG-U0BK8-03	12	7X0.615	0.38	1.27	14.3	363
	01074	0124-15C14AWG-U0BK8-03	15	7X0.615	0.38	1.52	16.2	461
	01075	0124-16C14AWG-U0BK8-03	16	7X0.615	0.38	1.52	16.2	486
	01076	0124-19C14AWG-U0BK8-03	19	7X0.615	0.38	1.52	17.0	555
	01077	0124-20C14AWG-U0BK8-03	20	7X0.615	0.38	1.52	17.9	590
	01078	0124-24C14AWG-U0BK8-03	24	7X0.615	0.38	1.52	19.8	695
	01079	0124-25C14AWG-U0BK8-03	25	7X0.615	0.38	1.52	19.8	717
	01080	0124-27C14AWG-U0BK8-03	27	7X0.615	0.38	1.52	20.2	765
	01081	0124-30C14AWG-U0BK8-03	30	7X0.615	0.38	1.52	20.9	839
	01082	0124-37C14AWG-U0BK8-03	37	7X0.615	0.38	1.78	23.0	1039
	01083	0124-48C14AWG-U0BK8-03	48	7X0.615	0.38	1.78	26.2	1321
	01084	0124-61C14AWG-U0BK8-03	61	7X0.615	0.38	1.78	28.4	1632



INSTRUMENTATION / PROCESS CONTROL CABLES POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL) XLPE INSULATED MULTICONDUCTOR SHIELDED CABLES

Temperature range - 40°C to +90°C

Specifications: UL13



- Application : : Industrial signalling and process control circuit in dry or wet locations. The cable can be used in cable trays conduit or direct burial application.
- Conductor : Tinned copper to ASTM B33, stranded to Class B of ASTM B8.
 - Insulation : Flame retardant XLPE to ICEA S-82-552.
 - Shielding : Insulated cores are cabled and shielded with aluminium polyester tape for 100% coverage with a tinned copper drain wire.
 - Jacket : Extruded black PVC as per UL13, oil and sunlight resistant passes flame test as per IEEE - 383 (70000 BTU). The jacket is impervious to vapour and moisture penetration.

Colour Code

Conductor No.	Colour
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6 and above	Black with number printing
Other colour codes can be manufactured on request	

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL)
XLPE INSULATED MULTICONDUCTOR
SHIELDED CABLES

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
20	02001	0224-02C 20AWG-U0BK8-03	2	7x0.307	0.38	0.89	5.9	48
	02002	0224-03C 20AWG-U0BK8-03	3	7x0.307	0.38	0.89	6.1	53
	02003	0224-04C 20AWG-U0BK8-03	4	7x0.307	0.38	0.89	6.6	60
	02004	0224-05C 20AWG-U0BK8-03	5	7x0.307	0.38	1.01	7.4	76
	02005	0224-06C 20AWG-U0BK8-03	6	7x0.307	0.38	1.01	7.9	83
	02006	0224-07C 20AWG-U0BK8-03	7	7x0.307	0.38	1.01	7.9	85
	02007	0224-08C 20AWG-U0BK8-03	8	7x0.307	0.38	1.01	8.5	98
	02008	0224-09C 20AWG-U0BK8-03	9	7x0.307	0.38	1.01	9.0	109
	02009	0224-10C 20AWG-U0BK8-03	10	7x0.307	0.38	1.01	9.7	116
	02010	0224-12C 20AWG-U0BK8-03	12	7x0.307	0.38	1.27	10.5	144
	02011	0224-15C 20AWG-U0BK8-03	15	7x0.307	0.38	1.27	11.5	173
	02012	0224-16C 20AWG-U0BK8-03	16	7x0.307	0.38	1.27	11.5	180
	02013	0224-19C 20AWG-U0BK8-03	19	7x0.307	0.38	1.27	12.0	201
	02014	0224-20C 20AWG-U0BK8-03	20	7x0.307	0.38	1.27	12.6	214
	02015	0224-24C 20AWG-U0BK8-03	24	7x0.307	0.38	1.27	13.8	248
	02016	0224-25C 20AWG-U0BK8-03	25	7x0.307	0.38	1.27	13.8	255
	02017	0224-27C 20AWG-U0BK8-03	27	7x0.307	0.38	1.27	14.1	270
	02018	0224-30C 20AWG-U0BK8-03	30	7x0.307	0.38	1.27	14.5	292
	02019	0224-37C 20AWG-U0BK8-03	37	7x0.307	0.38	1.52	16.1	367
	02020	0224-48C 20AWG-U0BK8-03	48	7x0.307	0.38	1.52	18.1	455
	02021	0224-61C 20AWG-U0BK8-03	61	7x0.307	0.38	1.52	19.7	559

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
18	02022	0224-02C 18AWG-U0BK8-03	2	7X0.386	0.38	0.89	6.3	58
	02023	0224-03C 18AWG-U0BK8-03	3	7X0.386	0.38	0.89	6.7	69
	02024	0224-04C 18AWG-U0BK8-03	4	7X0.386	0.38	1.01	7.4	81
	02025	0224-05C 18AWG-U0BK8-03	5	7X0.386	0.38	1.01	8.0	96
	02026	0224-06C 18AWG-U0BK8-03	6	7X0.386	0.38	1.01	8.6	106
	02027	0224-07C 18AWG-U0BK8-03	7	7X0.386	0.38	1.01	8.6	111
	02028	0224-08C 18AWG-U0BK8-03	8	7X0.386	0.38	1.01	9.3	128
	02029	0224-09C 18AWG-U0BK8-03	9	7X0.386	0.38	1.27	10.4	157
	02030	0224-10C 18AWG-U0BK8-03	10	7X0.386	0.38	1.27	11.2	168
	02031	0224-12C 18AWG-U0BK8-03	12	7X0.386	0.38	1.27	11.5	189
	02032	0224-15C 18AWG-U0BK8-03	15	7X0.386	0.38	1.27	12.6	228
	02033	0224-16C 18AWG-U0BK8-03	16	7X0.386	0.38	1.27	12.6	239
	02034	0224-19C 18AWG-U0BK8-03	19	7X0.386	0.38	1.27	13.2	270
	02035	0224-20C 18AWG-U0BK8-03	20	7X0.386	0.38	1.27	13.9	288
	02036	0224-24C 18AWG-U0BK8-03	24	7X0.386	0.38	1.27	15.2	333
	02037	0224-25C 18AWG-U0BK8-03	25	7X0.386	0.38	1.27	15.2	343
	02038	0224-27C 18AWG-U0BK8-03	27	7X0.386	0.38	1.52	16.0	383
	02039	0224-30C 18AWG-U0BK8-03	30	7X0.386	0.38	1.52	16.6	421
	02040	0224-37C 18AWG-U0BK8-03	37	7X0.386	0.38	1.52	17.8	500
	02041	0224-48C 18AWG-U0BK8-03	48	7X0.386	0.38	1.52	20.1	626
	02042	0224-61C 18AWG-U0BK8-03	61	7X0.386	0.38	1.52	21.8	768



INSTRUMENTATION / PROCESS CONTROL CABLES POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL) XLPE INSULATED MULTICONDUCTOR SHIELDED CABLES

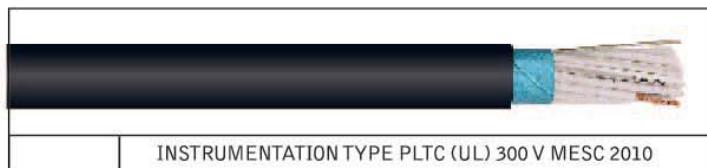
Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
	02043	0224-02C16AWG-U0BK8-03	2	7X0.488	0.38	0.89	6.9	74
	02044	0224-03C16AWG-U0BK8-03	3	7X0.488	0.38	1.01	7.6	94
	02045	0224-04C16AWG-U0BK8-03	4	7X0.488	0.38	1.01	8.1	107
	02046	0224-05C16AWG-U0BK8-03	5	7X0.488	0.38	1.01	8.8	128
	02047	0224-06C16AWG-U0BK8-03	6	7X0.488	0.38	1.01	9.5	142
	02048	0224-07C16AWG-U0BK8-03	7	7X0.488	0.38	1.01	9.5	151
	02049	0224-08C16AWG-U0BK8-03	8	7X0.488	0.38	1.27	10.8	187
	02050	0224-09C16AWG-U0BK8-03	9	7X0.488	0.38	1.27	11.5	211
	02051	0224-10C16AWG-U0BK8-03	10	7X0.488	0.38	1.27	12.4	225
16	02052	0224-12C16AWG-U0BK8-03	12	7X0.488	0.38	1.27	12.7	255
	02053	0224-15C16AWG-U0BK8-03	15	7X0.488	0.38	1.27	14.0	312
	02054	0224-16C16AWG-U0BK8-03	16	7X0.488	0.38	1.27	14.0	328
	02055	0224-19C16AWG-U0BK8-03	19	7X0.488	0.38	1.27	14.7	374
	02056	0224-20C16AWG-U0BK8-03	20	7X0.488	0.38	1.52	16.0	418
	02057	0224-24C16AWG-U0BK8-03	24	7X0.488	0.38	1.52	17.5	484
	02058	0224-25C16AWG-U0BK8-03	25	7X0.488	0.38	1.52	17.5	499
	02059	0224-27C16AWG-U0BK8-03	27	7X0.488	0.38	1.52	17.9	533
	02060	0224-30C16AWG-U0BK8-03	30	7X0.488	0.38	1.52	18.5	583
	02061	0224-37C16AWG-U0BK8-03	37	7X0.488	0.38	1.52	19.9	699
	02062	0224-48C16AWG-U0BK8-03	48	7X0.488	0.38	1.78	23.1	912
	02063	0224-61C16AWG-U0BK8-03	61	7X0.488	0.38	1.78	25.0	1119

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
	02064	0224-02C14AWG-U0BK8-03	2	7X0.615	0.38	1.01	8.0	104
	02065	0224-03C14AWG-U0BK8-03	3	7X0.615	0.38	1.01	8.4	126
	02066	0224-04C14AWG-U0BK8-03	4	7X0.615	0.38	1.01	9.1	148
	02067	0224-05C14AWG-U0BK8-03	5	7X0.615	0.38	1.27	10.4	191
	02068	0224-06C14AWG-U0BK8-03	6	7X0.615	0.38	1.27	11.2	213
	02069	0224-07C14AWG-U0BK8-03	7	7X0.615	0.38	1.27	11.2	227
	02070	0224-08C14AWG-U0BK8-03	8	7X0.615	0.38	1.27	12.1	260
	02071	0224-09C14AWG-U0BK8-03	9	7X0.615	0.38	1.27	12.9	294
	02072	0224-10C14AWG-U0BK8-03	10	7X0.615	0.38	1.27	13.9	313
14	02073	0224-12C14AWG-U0BK8-03	12	7X0.615	0.38	1.27	14.4	364
	02074	0224-15C14AWG-U0BK8-03	15	7X0.615	0.38	1.52	16.3	462
	02075	0224-16C14AWG-U0BK8-03	16	7X0.615	0.38	1.52	16.3	487
	02076	0224-19C14AWG-U0BK8-03	19	7X0.615	0.38	1.52	17.1	556
	02077	0224-20C14AWG-U0BK8-03	20	7X0.615	0.38	1.52	18.0	590
	02078	0224-24C14AWG-U0BK8-03	24	7X0.615	0.38	1.52	19.9	696
	02079	0224-25C14AWG-U0BK8-03	25	7X0.615	0.38	1.52	19.9	718
	02080	0224-27C14AWG-U0BK8-03	27	7X0.615	0.38	1.52	20.3	765
	02081	0224-30C14AWG-U0BK8-03	30	7X0.615	0.38	1.52	21.0	840
	02082	0224-37C14AWG-U0BK8-03	37	7X0.615	0.38	1.78	23.1	1040
	02083	0224-48C14AWG-U0BK8-03	48	7X0.615	0.38	1.78	26.3	1322
	02084	0224-61C14AWG-U0BK8-03	61	7X0.615	0.38	1.78	28.5	1633

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL)
PVC INSULATED MULTICONDUCTOR
UNSHIELDED CABLES

Temperature range - 40°C to +90°C

Specifications: UL13



Application : Industrial signalling and process control circuit in dry or wet locations. The cable can be used in cable trays conduit or direct burial application.

- **Conductor** : Plain copper to ASTM B3, stranded to class B of ASTM B8.
- **Insulation** : Flame retardant PVC rated 90C as per UL13.
- **Assembly** : Insulated cores are cabled with suitable non-hygroscopic fillers and polyester binder if necessary.
- **Jacket** : Extruded black PVC as per UL13, oil and sunlight resistant, passes flame test as per IEEE - 383 (70000 BTU). The jacket is impervious to vapour and moisture penetration.

Colour Code	
Conductor No.	Colour
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6 and above	Black with number printing

Other colour codes can be manufactured on request



**INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL)
PVC INSULATED MULTICONDUCTOR
UNSHIELDED CABLES**

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
20	01085	0111-02C20AWG-U0BK8-03	2	7X0.307	0.38	0.89	5.6	45
	01086	0111-03C20AWG-U0BK8-03	3	7X0.307	0.38	0.89	5.8	52
	01087	0111-04C20AWG-U0BK8-03	4	7X0.307	0.38	0.89	6.3	62
	01088	0111-05C20AWG-U0BK8-03	5	7X0.307	0.38	0.89	6.8	74
	01089	0111-06C20AWG-U0BK8-03	6	7X0.307	0.38	1.01	7.8	89
	01090	0111-07C20AWG-U0BK8-03	7	7X0.307	0.38	1.01	7.8	93
	01091	0111-08C20AWG-U0BK8-03	8	7X0.307	0.38	1.01	8.4	107
	01092	0111-09C20AWG-U0BK8-03	9	7X0.307	0.38	1.01	8.9	120
	01093	0111-10C20AWG-U0BK8-03	10	7X0.307	0.38	1.01	9.6	127
	01094	0111-12C20AWG-U0BK8-03	12	7X0.307	0.38	1.27	10.4	157
	01095	0111-15C20AWG-U0BK8-03	15	7X0.307	0.38	1.27	11.4	189
	01096	0111-16C20AWG-U0BK8-03	16	7X0.307	0.38	1.27	11.4	197
	01097	0111-19C20AWG-U0BK8-03	19	7X0.307	0.38	1.27	11.9	222
	01098	0111-20C20AWG-U0BK8-03	20	7X0.307	0.38	1.27	12.5	237
	01099	0111-24C20AWG-U0BK8-03	24	7X0.307	0.38	1.27	13.7	274
	01100	0111-25C20AWG-U0BK8-03	25	7X0.307	0.38	1.27	13.7	281
	01101	0111-27C20AWG-U0BK8-03	27	7X0.307	0.38	1.27	14.0	299
	01102	0111-30C20AWG-U0BK8-03	30	7X0.307	0.38	1.27	14.4	324
	01103	0111-37C20AWG-U0BK8-03	37	7X0.307	0.38	1.52	16.0	407
	01104	0111-48C20AWG-U0BK8-03	48	7X0.307	0.38	1.52	18.0	507
	01105	0111-61C20AWG-U0BK8-03	61	7X0.307	0.38	1.52	19.6	625

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
18	01106	0111-02C18AWG-U0BK8-03	2	7X0.386	0.38	0.89	6.0	55
	01107	0111-03C18AWG-U0BK8-03	3	7X0.386	0.38	0.89	6.4	67
	01108	0111-04C18AWG-U0BK8-03	4	7X0.386	0.38	0.89	6.9	80
	01109	0111-05C18AWG-U0BK8-03	5	7X0.386	0.38	1.01	7.7	100
	01110	0111-06C18AWG-U0BK8-03	6	7X0.386	0.38	1.01	8.5	114
	01111	0111-07C18AWG-U0BK8-03	7	7X0.386	0.38	1.01	8.5	120
	01112	0111-08C18AWG-U0BK8-03	8	7X0.386	0.38	1.01	9.2	140
	01113	0111-09C18AWG-U0BK8-03	9	7X0.386	0.38	1.01	9.8	159
	01114	0111-10C18AWG-U0BK8-03	10	7X0.386	0.38	1.27	11.1	181
	01115	0111-12C18AWG-U0BK8-03	12	7X0.386	0.38	1.27	11.4	205
	01116	0111-15C18AWG-U0BK8-03	15	7X0.386	0.38	1.27	12.5	247
	01117	0111-16C18AWG-U0BK8-03	16	7X0.386	0.38	1.27	12.5	260
	01118	0111-19C18AWG-U0BK8-03	19	7X0.386	0.38	1.27	13.1	295
	01119	0111-20C18AWG-U0BK8-03	20	7X0.386	0.38	1.27	13.8	315
	01120	0111-24C18AWG-U0BK8-03	24	7X0.386	0.38	1.27	15.1	364
	01121	0111-25C18AWG-U0BK8-03	25	7X0.386	0.38	1.27	15.1	375
	01122	0111-27C18AWG-U0BK8-03	27	7X0.386	0.38	1.52	15.9	418
	01123	0111-30C18AWG-U0BK8-03	30	7X0.386	0.38	1.52	16.5	460
	01124	0111-37C18AWG-U0BK8-03	37	7X0.386	0.38	1.52	17.7	548
	01125	0111-48C18AWG-U0BK8-03	48	7X0.386	0.38	1.52	20.0	688
	01126	0111-61C18AWG-U0BK8-03	61	7X0.386	0.38	1.52	21.7	848

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL)
PVC INSULATED MULTICONDUCTOR
UNSHIELDED CABLES

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
	01127	0111-02C16AWG-U0BK8-03	2	7X0.488	0.38	0.89	6.6	71
	01128	0111-03C16AWG-U0BK8-03	3	7X0.488	0.38	0.89	7.0	88
	01129	0111-04C16AWG-U0BK8-03	4	7X0.488	0.38	1.01	7.8	110
	01130	0111-05C16AWG-U0BK8-03	5	7X0.488	0.38	1.01	8.5	133
	01131	0111-06C16AWG-U0BK8-03	6	7X0.488	0.38	1.01	9.4	152
	01132	0111-07C16AWG-U0BK8-03	7	7X0.488	0.38	1.01	9.4	162
	01133	0111-08C16AWG-U0BK8-03	8	7X0.488	0.38	1.27	10.7	201
	01134	0111-09C16AWG-U0BK8-03	9	7X0.488	0.38	1.27	11.4	228
	01135	0111-10C16AWG-U0BK8-03	10	7X0.488	0.38	1.27	12.3	241
16	01136	0111-12C16AWG-U0BK8-03	12	7X0.488	0.38	1.27	12.6	274
	01137	0111-15C16AWG-U0BK8-03	15	7X0.488	0.38	1.27	13.9	335
	01138	0111-16C16AWG-U0BK8-03	16	7X0.488	0.38	1.27	13.9	353
	01139	0111-19C16AWG-U0BK8-03	19	7X0.488	0.38	1.27	14.6	404
	01140	0111-20C16AWG-U0BK8-03	20	7X0.488	0.38	1.27	15.4	432
	01141	0111-24C16AWG-U0BK8-03	24	7X0.488	0.38	1.52	17.4	522
	01142	0111-25C16AWG-U0BK8-03	25	7X0.488	0.38	1.52	17.4	538
	01143	0111-27C16AWG-U0BK8-03	27	7X0.488	0.38	1.52	17.8	576
	01144	0111-30C16AWG-U0BK8-03	30	7X0.488	0.38	1.52	18.4	630
	01145	0111-37C16AWG-U0BK8-03	37	7X0.488	0.38	1.52	19.8	758
	01146	0111-48C16AWG-U0BK8-03	48	7X0.488	0.38	1.78	23.0	988
	01147	0111-61C16AWG-U0BK8-03	61	7X0.488	0.38	1.78	24.9	1217

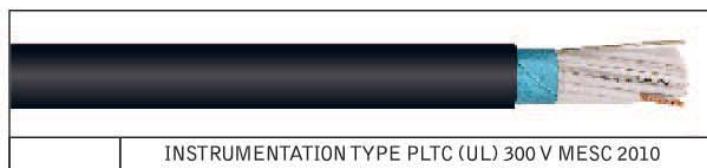
Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
	01148	0111-02C14AWG-U0BK8-03	2	7X0.615	0.51	1.01	8.2	111
	01149	0111-03C14AWG-U0BK8-03	3	7X0.615	0.51	1.01	8.7	137
	01150	0111-04C14AWG-U0BK8-03	4	7X0.615	0.51	1.01	9.4	166
	01151	0111-05C14AWG-U0BK8-03	5	7X0.615	0.51	1.27	10.8	215
	01152	0111-06C14AWG-U0BK8-03	6	7X0.615	0.51	1.27	11.9	243
	01153	0111-07C14AWG-U0BK8-03	7	7X0.615	0.51	1.27	11.9	259
	01154	0111-08C14AWG-U0BK8-03	8	7X0.615	0.51	1.27	12.9	301
	01155	0111-09C14AWG-U0BK8-03	9	7X0.615	0.51	1.27	13.7	340
	01156	0111-10C14AWG-U0BK8-03	10	7X0.615	0.51	1.27	14.9	360
14	01157	0111-12C14AWG-U0BK8-03	12	7X0.615	0.51	1.27	15.3	414
	01158	0111-15C14AWG-U0BK8-03	15	7X0.615	0.51	1.52	17.4	528
	01159	0111-16C14AWG-U0BK8-03	16	7X0.615	0.51	1.52	17.4	556
	01160	0111-19C14AWG-U0BK8-03	19	7X0.615	0.51	1.52	18.3	638
	01161	0111-20C14AWG-U0BK8-03	20	7X0.615	0.51	1.52	19.3	681
	01162	0111-24C14AWG-U0BK8-03	24	7X0.615	0.51	1.52	21.3	796
	01163	0111-25C14AWG-U0BK8-03	25	7X0.615	0.51	1.52	21.3	822
	01164	0111-27C14AWG-U0BK8-03	27	7X0.615	0.51	1.52	21.8	880
	01165	0111-30C14AWG-U0BK8-03	30	7X0.615	0.51	1.78	23.1	997
	01166	0111-37C14AWG-U0BK8-03	37	7X0.615	0.51	1.78	24.8	1196
	01167	0111-48C14AWG-U0BK8-03	48	7X0.615	0.51	1.78	28.3	1523
	01168	0111-61C14AWG-U0BK8-03	61	7X0.615	0.51	1.78	30.8	1890



INSTRUMENTATION / PROCESS CONTROL CABLES POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL) PVC INSULATED MULTICONDUCTOR SHIELDED CABLES

Temperature range - 40°C to +90°C

Specifications: UL13



Application : Industrial signalling and process control circuit in dry or wet locations. The cable can be used in cable trays, conduit or direct burial application.

- Conductor : Plain copper to ASTM B3, stranded to class B of ASTM B8.
- Insulation : Flame retardant PVC rated 90°C as per UL13.
- Shielding : Insulated cores are cabled and shielded with aluminium polyester tape for 100% coverage with a tinned copper drain wire.
- Jacket : Extruded black PVC as per UL13, oil and sunlight resistant, passes flame test as per IEEE - 383 (70000 BTU). The jacket is impervious to vapour and moisture penetration.

Colour Code	
Conductor No.	Colour
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6 and above	Black with number printing

Other colour codes can be manufactured on request

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL)
PVC INSULATED MULTICONDUCTOR
SHIELDED CABLES

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km
20	02085	0211-02C20AWG-U0BK8-03	2	7x0.307	0.38	0.89	5.9	50
	02086	0211-03C20AWG-U0BK8-03	3	7x0.307	0.38	0.89	6.1	57
	02087	0211-04C20AWG-U0BK8-03	4	7x0.307	0.38	0.89	6.6	64
	02088	0211-05C20AWG-U0BK8-03	5	7x0.307	0.38	1.01	7.4	81
	02089	0211-06C20AWG-U0BK8-03	6	7x0.307	0.38	1.01	7.9	89
	02090	0211-07C20AWG-U0BK8-03	7	7x0.307	0.38	1.01	7.9	93
	02091	0211-08C20AWG-U0BK8-03	8	7x0.307	0.38	1.01	8.5	107
	02092	0211-09C20AWG-U0BK8-03	9	7x0.307	0.38	1.01	9.0	121
	02093	0211-10C20AWG-U0BK8-03	10	7x0.307	0.38	1.01	9.7	127
	02094	0211-12C20AWG-U0BK8-03	12	7x0.307	0.38	1.27	10.5	157
	02095	0211-15C20AWG-U0BK8-03	15	7x0.307	0.38	1.27	11.5	190
	02096	0211-16C20AWG-U0BK8-03	16	7x0.307	0.38	1.27	11.5	198
	02097	0211-19C20AWG-U0BK8-03	19	7x0.307	0.38	1.27	12.0	222
	02098	0211-20C20AWG-U0BK8-03	20	7x0.307	0.38	1.27	12.6	237
	02099	0211-24C20AWG-U0BK8-03	24	7x0.307	0.38	1.27	13.8	274
	02100	0211-25C20AWG-U0BK8-03	25	7x0.307	0.38	1.27	13.8	282
	02101	0211-27C20AWG-U0BK8-03	27	7x0.307	0.38	1.27	14.1	300
	02102	0211-30C20AWG-U0BK8-03	30	7x0.307	0.38	1.27	14.5	325
	02103	0211-37C20AWG-U0BK8-03	37	7x0.307	0.38	1.52	16.1	408
	02104	0211-48C20AWG-U0BK8-03	48	7x0.307	0.38	1.52	18.1	508
	02105	0211-61C20AWG-U0BK8-03	61	7x0.307	0.38	15.2	19.7	626

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km
18	02106	0211-02C18AWG-U0BK8-03	2	7X0.386	0.38	0.89	6.3	60
	02107	0211-03C18AWG-U0BK8-03	3	7X0.386	0.38	0.89	6.7	73
	02108	0211-04C18AWG-U0BK8-03	4	7X0.386	0.38	1.01	7.4	86
	02109	0211-05C18AWG-U0BK8-03	5	7X0.386	0.38	1.01	8.0	103
	02110	0211-06C18AWG-U0BK8-03	6	7X0.386	0.38	1.01	8.6	114
	02111	0211-07C18AWG-U0BK8-03	7	7X0.386	0.38	1.01	8.6	121
	02112	0211-08C18AWG-U0BK8-03	8	7X0.386	0.38	1.01	9.3	140
	02113	0211-09C18AWG-U0BK8-03	9	7X0.386	0.38	1.27	10.4	172
	02114	0211-10C18AWG-U0BK8-03	10	7X0.386	0.38	1.27	11.2	181
	02115	0211-12C18AWG-U0BK8-03	12	7X0.386	0.38	1.27	11.5	205
	02116	0211-15C18AWG-U0BK8-03	15	7X0.386	0.38	1.27	12.6	248
	02117	0211-16C18AWG-U0BK8-03	16	7X0.386	0.38	1.27	12.6	260
	02118	0211-19C18AWG-U0BK8-03	19	7X0.386	0.38	1.27	13.2	295
	02119	0211-20C18AWG-U0BK8-03	20	7X0.386	0.38	1.27	13.9	316
	02120	0211-24C18AWG-U0BK8-03	24	7X0.386	0.38	1.27	15.2	365
	02121	0211-25C18AWG-U0BK8-03	25	7X0.386	0.38	1.27	15.2	376
	02122	0211-27C18AWG-U0BK8-03	27	7X0.386	0.38	1.52	16.0	419
	02123	0211-30C18AWG-U0BK8-03	30	7X0.386	0.38	1.52	16.6	460
	02124	0211-37C18AWG-U0BK8-03	37	7X0.386	0.38	1.52	17.8	549
	02125	0211-48C18AWG-U0BK8-03	48	7X0.386	0.38	1.52	20.1	689
	02126	0211-61C18AWG-U0BK8-03	61	7X0.386	0.38	1.52	21.8	848



M E S C

INSTRUMENTATION / PROCESS CONTROL CABLES POWER LIMITED TRAY CABLE 300 VOLTS TYPE PLTC (UL) PVC INSULATED MULTICONDUCTOR SHIELDED CABLES

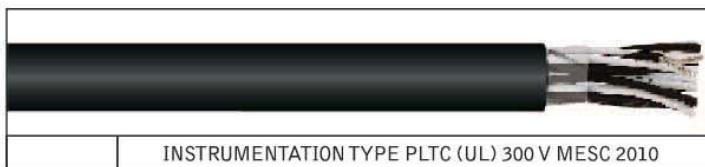
Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
	02127	0211-02C16AWG-U0BK8-03	2	7X0.488	0.38	0.89	6.9	77
	02128	0211-03C16AWG-U0BK8-03	3	7X0.488	0.38	1.01	7.6	99
	02129	0211-04C16AWG-U0BK8-03	4	7X0.488	0.38	1.01	8.1	113
	02130	0211-05C16AWG-U0BK8-03	5	7X0.488	0.38	1.01	8.8	136
	02131	0211-06C16AWG-U0BK8-03	6	7X0.488	0.38	1.01	9.5	152
	02132	0211-07C16AWG-U0BK8-03	7	7X0.488	0.38	1.01	9.5	162
	02133	0211-08C16AWG-U0BK8-03	8	7X0.488	0.38	1.27	10.8	202
	02134	0211-09C16AWG-U0BK8-03	9	7X0.488	0.38	1.27	11.5	229
	02135	0211-10C16AWG-U0BK8-03	10	7X0.488	0.38	1.27	12.4	242
16	02136	0211-12C16AWG-U0BK8-03	12	7X0.488	0.38	1.27	12.7	275
	02137	0211-15C16AWG-U0BK8-03	15	7X0.488	0.38	1.27	14.0	336
	02138	0211-16C16AWG-U0BK8-03	16	7X0.488	0.38	1.27	14.0	354
	02139	0211-19C16AWG-U0BK8-03	19	7X0.488	0.38	1.27	14.7	405
	02140	0211-20C16AWG-U0BK8-03	20	7X0.488	0.38	1.52	16.0	452
	02141	0211-24C16AWG-U0BK8-03	24	7X0.488	0.38	1.52	17.5	523
	02142	0211-25C16AWG-U0BK8-03	25	7X0.488	0.38	1.52	17.5	539
	02143	0211-27C16AWG-U0BK8-03	27	7X0.488	0.38	1.52	17.9	576
	02144	0211-30C16AWG-U0BK8-03	30	7X0.488	0.38	1.52	18.5	631
	02145	0211-37C16AWG-U0BK8-03	37	7X0.488	0.38	1.52	19.9	758
	02146	0211-48C16AWG-U0BK8-03	48	7X0.488	0.38	1.78	23.1	989
	02147	0211-61C16AWG-U0BK8-03	61	7X0.488	0.38	1.78	25.0	1218

Size (AWG)	Order No.	MESC Code	Conductors	Strands X Diameter no. X mm	Insulation thickness mm	Nominal Jacket thickness mm	Approx. O. D. mm	Approx. Weight Kg./Km
	02148	0211-02C14AWG-U0BK8-03	2	7X0.615	0.51	1.01	8.5	118
	02149	0211-03C14AWG-U0BK8-03	3	7X0.615	0.51	1.01	9.0	145
	02150	0211-04C14AWG-U0BK8-03	4	7X0.615	0.51	1.01	9.7	169
	02151	0211-05C14AWG-U0BK8-03	5	7X0.615	0.51	1.27	11.1	218
	02152	0211-06C14AWG-U0BK8-03	6	7X0.615	0.51	1.27	12.0	244
	02153	0211-07C14AWG-U0BK8-03	7	7X0.615	0.51	1.27	12.0	260
	02154	0211-08C14AWG-U0BK8-03	8	7X0.615	0.51	1.27	13.0	302
	02155	0211-09C14AWG-U0BK8-03	9	7X0.615	0.51	1.27	13.8	341
	02156	0211-10C14AWG-U0BK8-03	10	7X0.615	0.51	1.27	15.0	361
14	02157	0211-12C14AWG-U0BK8-03	12	7X0.615	0.51	1.27	15.4	414
	02158	0211-15C14AWG-U0BK8-03	15	7X0.615	0.51	1.52	17.5	529
	02159	0211-16C14AWG-U0BK8-03	16	7X0.615	0.51	1.52	17.5	557
	02160	0211-19C14AWG-U0BK8-03	19	7X0.615	0.51	1.52	18.4	639
	02161	0211-20C14AWG-U0BK8-03	20	7X0.615	0.51	1.52	19.4	682
	02162	0211-24C14AWG-U0BK8-03	24	7X0.615	0.51	1.52	21.4	797
	02163	0211-25C14AWG-U0BK8-03	25	7X0.615	0.51	1.52	21.4	823
	02164	0211-27C14AWG-U0BK8-03	27	7X0.615	0.51	1.52	21.9	881
	02165	0211-30C14AWG-U0BK8-03	30	7X0.615	0.51	1.78	23.2	998
	02166	0211-37C14AWG-U0BK8-03	37	7X0.615	0.51	1.78	24.9	1197
	02167	0211-48C14AWG-U0BK8-03	48	7X0.615	0.51	1.78	28.4	1524
	02168	0211-61C14AWG-U0BK8-03	61	7X0.615	0.51	1.78	30.9	1891

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)
XLPE INSULATED MULTI PAIR / MULTITRIAD
UNSHIELDED

Temperature range - 40°C to +90°C

Specifications: UL13



Application : Can be used in cable tray, conduit or direct burial application for instrumentation / process control, in dry or wet location.

- **Conductor** : Tinned copper to ASTM B33 & stranded to Class B / Class C of ASTM B8.
- **Insulation** : Flame retardant XLPE to ICEA S-82-552.
- **Pair Colour Code** : White and black with pair number on white conductor.
- **Triple Colour Code** : White, black and red with triple number on white conductor.
- **Pairs/Triples Twisting** : All pairs / triples are twisted to counter electromagnetic noise.
- **Assembly** : Twisted pairs / triples are cabled with non-hygroscopic fillers if necessary and the entire assembly is covered with a polyester tape if required.
- **Jacket** : Extruded black PVC as per UL13, oil and sunlight resistant, passes flame test as per IEEE - 383 (70000 BTU). The jacket is impervious to vapour and moisture penetration.

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)
XLPE INSULATED MULTI PAIR / MULTI TRIAD
UNSHIELDED

PAIRS

SIZE (AWG)	Order No.	MESC Code	Pairs	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. weight Kg/Km
18	01169	0124-01P18AWG-U0BK8-03	1	7 X 0.386	0.38	0.89	6.2	45
	01170	0124-02P18AWG-U0BK8-03	2	7 X 0.386	0.38	1.01	9.7	85
	01171	0124-03P18AWG-U0BK8-03	3	7 X 0.386	0.38	1.27	11.0	120
	01172	0124-04P18AWG-U0BK8-03	4	7 X 0.386	0.38	1.27	11.8	145
	01173	0124-06P18AWG-U0BK8-03	6	7 X 0.386	0.38	1.27	13.6	195
	01174	0124-08P18AWG-U0BK8-03	8	7 X 0.386	0.38	1.27	14.3	240
	01175	0124-12P18AWG-U0BK8-03	12	7 X 0.386	0.38	1.52	17.4	355
	01176	0124-16P18AWG-U0BK8-03	16	7 X 0.386	0.38	1.52	19.5	445
	01177	0124-20P18AWG-U0BK8-03	20	7 X 0.386	0.38	1.52	21.4	540
	01178	0124-24P18AWG-U0BK8-03	24	7 X 0.386	0.38	1.78	23.7	655
	01179	0124-32P18AWG-U0BK8-03	32	7 X 0.386	0.38	1.78	26.7	840
	01180	0124-36P18AWG-U0BK8-03	36	7 X 0.386	0.38	1.78	28.1	925
	01181	0124-40P18AWG-U0BK8-03	40	7 X 0.386	0.38	1.78	29.4	1015
	01182	0124-50P18AWG-U0BK8-03	50	7 X 0.386	0.38	2.03	32.9	1270

SIZE (AWG)	Order No.	MESC Code	Pairs	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. weight Kg/Km
16	01183	0124-01P16AWG-U0BK8-03	1	7 X 0.488	0.38	0.89	6.8	60
	01184	0124-02P16AWG-U0BK8-03	2	7 X 0.488	0.38	1.27	11.3	125
	01185	0124-03P16AWG-U0BK8-03	3	7 X 0.488	0.38	1.27	12.2	160
	01186	0124-04P16AWG-U0BK8-03	4	7 X 0.488	0.38	1.27	13.1	195
	01187	0124-06P16AWG-U0BK8-03	6	7 X 0.488	0.38	1.27	15.2	265
	01188	0124-08P16AWG-U0BK8-03	8	7 X 0.488	0.38	1.52	16.5	345
	01189	0124-12P16AWG-U0BK8-03	12	7 X 0.488	0.38	1.52	19.4	485
	01190	0124-16P16AWG-U0BK8-03	16	7 X 0.488	0.38	1.52	21.9	620
	01191	0124-20P16AWG-U0BK8-03	20	7 X 0.488	0.38	1.78	24.6	780
	01192	0124-24P16AWG-U0BK8-03	24	7 X 0.488	0.38	1.78	26.6	915
	01193	0124-32P16AWG-U0BK8-03	32	7 X 0.488	0.38	1.78	30.1	1175
	01194	0124-36P16AWG-U0BK8-03	36	7 X 0.488	0.38	1.78	31.7	1305
	01195	0124-40P16AWG-U0BK8-03	40	7 X 0.488	0.38	2.03	33.7	1470
	01196	0124-50P16AWG-U0BK8-03	50	7 X 0.488	0.38	2.03	37.1	1795

SIZE (AWG)	Order No.	MESC Code	Pairs	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. weight Kg/Km
14	01197	0124-01P14AWG-U0BK8-03	1	19 X 0.373	0.51	1.01	8.3	85
	01198	0124-02P14AWG-U0BK8-03	2	19 X 0.373	0.51	1.27	13.6	175
	01199	0124-03P14AWG-U0BK8-03	3	19 X 0.373	0.51	1.27	14.8	230
	01200	0124-04P14AWG-U0BK8-03	4	19 X 0.373	0.51	1.52	16.5	300
	01201	0124-06P14AWG-U0BK8-03	6	19 X 0.373	0.51	1.52	19.1	415
	01202	0124-08P14AWG-U0BK8-03	8	19 X 0.373	0.51	1.52	20.2	515
	01203	0124-12P14AWG-U0BK8-03	12	19 X 0.373	0.51	1.78	24.5	760
	01204	0124-16P14AWG-U0BK8-03	16	19 X 0.373	0.51	1.78	27.6	975
	01205	0124-20P14AWG-U0BK8-03	20	19 X 0.373	0.51	1.78	30.4	1185
	01206	0124-24P14AWG-U0BK8-03	24	19 X 0.373	0.51	2.03	33.5	1430
	01207	0124-32P14AWG-U0BK8-03	32	19 X 0.373	0.51	2.03	37.9	1850
	01208	0124-36P14AWG-U0BK8-03	36	19 X 0.373	0.51	2.03	40.0	2055
	01209	0124-40P14AWG-U0BK8-03	40	19 X 0.373	0.51	2.03	41.9	2260

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)
XLPE INSULATED MULTI PAIR / MULTI TRIAD
UNSHIELDED

TRIPLES

SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. weight Kg/Km
18	01210	0124-01T18AWG-U0BK8-03	1	7 X 0.386	0.38	0.89	6.5	55
	01211	0124-02T18AWG-U0BK8-03	2	7 X 0.386	0.38	1.27	11.6	125
	01212	0124-03T18AWG-U0BK8-03	3	7 X 0.386	0.38	1.27	12.3	160
	01213	0124-04T18AWG-U0BK8-03	4	7 X 0.386	0.38	1.27	13.4	195
	01214	0124-06T18AWG-U0BK8-03	6	7 X 0.386	0.38	1.52	16.7	290
	01215	0124-08T18AWG-U0BK8-03	8	7 X 0.386	0.38	1.52	17.7	360
	01216	0124-12T18AWG-U0BK8-03	12	7 X 0.386	0.38	1.52	20.8	495
	01217	0124-16T18AWG-U0BK8-03	16	7 X 0.386	0.38	1.78	24.1	665
	01218	0124-20T18AWG-U0BK8-03	20	7 X 0.386	0.38	1.78	26.4	795
	01219	0124-24T18AWG-U0BK8-03	24	7 X 0.386	0.38	1.78	28.6	935
	01220	0124-32T18AWG-U0BK8-03	32	7 X 0.386	0.38	2.03	32.9	1235
	01221	0124-36T18AWG-U0BK8-03	36	7 X 0.386	0.38	2.03	34.6	1365
	01222	0124-40T18AWG-U0BK8-03	40	7 X 0.386	0.38	2.03	36.2	1495
	01223	0124-48T18AWG-U0BK8-03	48	7 X 0.386	0.38	2.03	39.3	1760

SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. weight Kg/Km
16	01224	0124-01T16AWG-U0BK8-03	1	7 X 0.488	0.38	1.01	7.4	80
	01225	0124-02T16AWG-U0BK8-03	2	7 X 0.488	0.38	1.27	12.9	165
	01226	0124-03T16AWG-U0BK8-03	3	7 X 0.488	0.38	1.27	13.7	210
	01227	0124-04T16AWG-U0BK8-03	4	7 X 0.488	0.38	1.27	14.9	265
	01228	0124-06T16AWG-U0BK8-03	6	7 X 0.488	0.38	1.52	18.7	390
	01229	0124-08T16AWG-U0BK8-03	8	7 X 0.488	0.38	1.52	19.8	490
	01230	0124-12T16AWG-U0BK8-03	12	7 X 0.488	0.38	1.78	24.0	720
	01231	0124-16T16AWG-U0BK8-03	16	7 X 0.488	0.38	1.78	27.1	920
	01232	0124-20T16AWG-U0BK8-03	20	7 X 0.488	0.38	1.78	29.8	1115
	01233	0124-24T16AWG-U0BK8-03	24	7 X 0.488	0.38	2.03	32.8	1350
	01234	0124-32T16AWG-U0BK8-03	32	7 X 0.488	0.38	2.03	37.1	1735
	01235	0124-36T16AWG-U0BK8-03	36	7 X 0.488	0.38	2.03	39.1	1930
	01236	0124-40T16AWG-U0BK8-03	40	7 X 0.488	0.38	2.03	41.0	2120

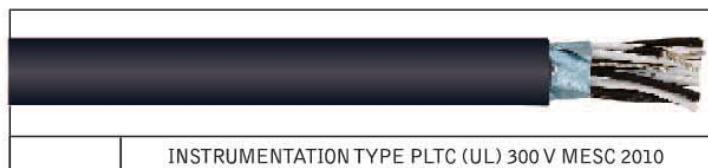
SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. weight Kg/Km
14	01237	0124-01T14AWG-U0BK8-03	1	19 X 0.373	0.51	1.01	8.8	110
	01238	0124-02T14AWG-U0BK8-03	2	19 X 0.373	0.51	1.52	16.2	250
	01239	0124-03T14AWG-U0BK8-03	3	19 X 0.373	0.51	1.52	17.3	335
	01240	0124-04T14AWG-U0BK8-03	4	19 X 0.373	0.51	1.52	18.8	415
	01241	0124-06T14AWG-U0BK8-03	6	19 X 0.373	0.51	1.78	23.5	610
	01242	0124-08T14AWG-U0BK8-03	8	19 X 0.373	0.51	1.78	24.9	765
	01243	0124-12T14AWG-U0BK8-03	12	19 X 0.373	0.51	1.78	29.6	1085
	01244	0124-16T14AWG-U0BK8-03	16	19 X 0.373	0.51	2.03	34.1	1440
	01245	0124-20T14AWG-U0BK8-03	20	19 X 0.373	0.51	2.03	37.6	1755
	01246	0124-24T14AWG-U0BK8-03	24	19 X 0.373	0.51	2.03	40.7	2060



INSTRUMENTATION/PROCESS CONTROL CABLES POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC) XLPE INSULATED MULTI PAIR / MULTI TRIAD OVERALL SHIELDED

Temperature range - 40°C to +90°C

Specifications: UL13



INSTRUMENTATION TYPE PLTC (UL) 300 V MESC 2010

Application : Can be used in cable tray, conduit or direct burial application for instrumentation / process control, in dry or wet location.

- Conductor : Tinned copper to ASTM B33 & stranded to class B of ASTM B8.
- Insulation : Flame retardant XLPE to ICEA S-82-552.
- Pair Colour Code : White and black with pair number on white conductor.
- Triple Colour Code : White, black and red with triple number on white conductor.
- Pairs/Triples Twisting : All pairs / triples are twisted to counter electromagnetic noise.
- Overall Shielding : Twisted pairs/ triples are cabled with non-hygroscopic fillers if necessary and the entire assembly is shielded with aluminium polyester tape and a tinned copper drain wire.
- Jacket : Extruded black PVC as per UL13, oil and sunlight resistant, passes flame test as per IEEE - 383 (70000 BTU). The jacket is impervious to vapour and moisture penetration.

**INSTRUMENTATION/PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)
XLPE INSULATED MULTI PAIR / MULTI TRIAD
OVER-ALL SHIELDED**

PAIRS

SIZE (AWG)	Order No.	MESC Code	Pairs	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
18	02169	0224-01P18AWG-U0BK8-03	1	7 X 0.386	0.38	0.89	6.3	50
	02170	0224-02P18AWG-U0BK8-03	2	7 X 0.386	0.38	1.01	9.8	90
	02171	0224-03P18AWG-U0BK8-03	3	7 X 0.386	0.38	1.27	11.7	125
	02172	0224-04P18AWG-U0BK8-03	4	7 X 0.386	0.38	1.27	11.9	150
	02173	0224-06P18AWG-U0BK8-03	6	7 X 0.386	0.38	1.27	13.7	200
	02174	0224-08P18AWG-U0BK8-03	8	7 X 0.386	0.38	1.27	14.4	240
	02175	0224-12P18AWG-U0BK8-03	12	7 X 0.386	0.38	1.52	17.5	350
	02176	0224-16P18AWG-U0BK8-03	16	7 X 0.386	0.38	1.52	19.6	445
	02177	0224-20P18AWG-U0BK8-03	20	7 X 0.386	0.38	1.52	21.5	530
	02178	0224-24P18AWG-U0BK8-03	24	7 X 0.386	0.38	1.78	23.8	645
	02179	0224-32P18AWG-U0BK8-03	32	7 X 0.386	0.38	1.78	26.8	825
	02180	0224-36P18AWG-U0BK8-03	36	7 X 0.386	0.38	1.78	28.2	910
16	02181	0224-40P18AWG-U0BK8-03	40	7 X 0.386	0.38	1.78	29.5	995
	02182	0224-50P18AWG-U0BK8-03	50	7 X 0.386	0.38	2.03	33.0	1245
SIZE (AWG)	Order No.	MESC Code	Pairs	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
16	02183	0224-01P16AWG-U0BK8-03	1	7 X 0.488	0.38	0.89	6.9	65
	02184	0224-02P16AWG-U0BK8-03	2	7 X 0.488	0.38	1.27	11.4	130
	02185	0224-03P16AWG-U0BK8-03	3	7 X 0.488	0.38	1.27	12.3	165
	02186	0224-04P16AWG-U0BK8-03	4	7 X 0.488	0.38	1.27	13.2	200
	02187	0224-06P16AWG-U0BK8-03	6	7 X 0.488	0.38	1.27	15.3	265
	02188	0224-08P16AWG-U0BK8-03	8	7 X 0.488	0.38	1.52	16.6	345
	02189	0224-12P16AWG-U0BK8-03	12	7 X 0.488	0.38	1.52	19.5	480
	02190	0224-16P16AWG-U0BK8-03	16	7 X 0.488	0.38	1.52	22.0	610
	02191	0224-20P16AWG-U0BK8-03	20	7 X 0.488	0.38	1.78	24.7	770
	02192	0224-24P16AWG-U0BK8-03	24	7 X 0.488	0.38	1.78	26.7	900
	02193	0224-32P16AWG-U0BK8-03	32	7 X 0.488	0.38	1.78	30.2	1155
	02194	0224-36P16AWG-U0BK8-03	36	7 X 0.488	0.38	2.03	32.3	1315
	02195	0224-40P16AWG-U0BK8-03	40	7 X 0.488	0.38	2.03	33.8	1440
	02196	0224-50P16AWG-U0BK8-03	50	7 X 0.488	0.38	2.03	37.2	1755

TRIPLES

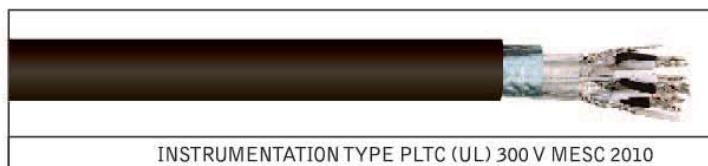
SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
18	02197	0224-01T18AWG-U0BK803	1	7 X 0.386	0.38	0.89	6.6	60
	02198	0224-02T18AWG-U0BK803	2	7 X 0.386	0.38	1.27	11.7	130
	02199	0224-03T18AWG-U0BK803	3	7 X 0.386	0.38	1.27	12.4	160
	02200	0224-04T18AWG-U0BK803	4	7 X 0.386	0.38	1.27	13.5	200
	02201	0224-06T18AWG-U0BK803	6	7 X 0.386	0.38	1.52	16.8	290
	02202	0224-08T18AWG-U0BK803	8	7 X 0.386	0.38	1.52	17.8	355
	02203	0224-12T18AWG-U0BK803	12	7 X 0.386	0.38	1.52	20.9	490
	02204	0224-16T18AWG-U0BK803	16	7 X 0.386	0.38	1.78	24.2	655
	02205	0224-20T18AWG-U0BK803	20	7 X 0.386	0.38	1.78	26.5	780
	02206	0224-24T18AWG-U0BK803	24	7 X 0.386	0.38	1.78	28.7	915
	02207	0224-32T18AWG-U0BK803	32	7 X 0.386	0.38	2.03	33.0	1210
	02208	0224-36T18AWG-U0BK803	36	7 X 0.386	0.38	2.03	34.7	1335
SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
16	02209	0224-01T16AWG-U0BK8-03	1	7 X 0.488	0.38	1.01	7.5	85
	02210	0224-02T16AWG-U0BK8-03	2	7 X 0.488	0.38	1.27	13.0	170
	02211	0224-03T16AWG-U0BK8-03	3	7 X 0.488	0.38	1.27	13.8	215
	02212	0224-04T16AWG-U0BK8-03	4	7 X 0.488	0.38	1.27	15.0	265
	02213	0224-06T16AWG-U0BK8-03	6	7 X 0.488	0.38	1.52	18.8	390
	02214	0224-08T16AWG-U0BK8-03	8	7 X 0.488	0.38	1.52	19.9	485
	02215	0224-12T16AWG-U0BK8-03	12	7 X 0.488	0.38	1.78	24.1	710
	02216	0224-16T16AWG-U0BK8-03	16	7 X 0.488	0.38	1.78	27.2	905
	02217	0224-20T16AWG-U0BK8-03	20	7 X 0.488	0.38	1.78	29.9	1095
	02218	0224-24T16AWG-U0BK8-03	24	7 X 0.488	0.38	2.03	32.9	1325
	02219	0224-32T16AWG-U0BK8-03	32	7 X 0.488	0.38	2.03	37.2	1695
	02220	0224-36T16AWG-U0BK8-03	36	7 X 0.488	0.38	2.03	39.2	1885



INSTRUMENTATION/PROCESS CONTROL CABLES POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC) XLPE INSULATED MULTI PAIR / MULTI TRIAD INDIVIDUAL & OVERALL SHIELDED

Temperature range - 40°C to +90°C

Specifications : UL13



INSTRUMENTATION TYPE PLTC (UL) 300 V MESC 2010

Application : Can be used in cable tray, conduit or direct burial application for instrumentation / process control, in dry or wet location.

- Conductor : Tinned copper to ASTM B33 & stranded to class B of ASTM B8.
- Insulation : Flame retardant XLPE to ICEA S-82-552.
- Pair Colour Code : White and black with pair number on white conductor.
- Triple Colour Code : White, black and red with triple number on white conductor.
- Pairs/Triples Twisting : All pairs / triples are twisted to counter electromagnetic noise.
- Individual and Overall Shielding : Each pair / triple is shielded with aluminium polyester tape and a tinned copper drain wire for maximum electrostatic noise and crosstalk rejection. All pair/triple shields are electrically isolated from each other. Individually shielded pairs/triples cabled with non-hygroscopic fillers if necessary and the entire assembly is shielded with aluminium polyester tape and a tinned copper drain wire.
- Jacket : Extruded black PVC as per UL13, oil and sunlight resistant, passes flame test as per IEEE - 383 (70000 BTU). The jacket is impervious to vapour and moisture penetration.



**INSTRUMENTATION/PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)
XLPE INSULATED MULTI PAIR / MULTI TRIAD
INDIVIDUAL & OVERALL SHIELDED**

PAIRS

SIZE (AWG)	Order No.	MESC Code	Pairs	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. weight Kg/Km
18	04001	0424-02P18AWG-U0BK8-03	2	7 X 0.386	0.38	1.27	10.8	115
	04002	0424-03P18AWG-U0BK8-03	3	7 X 0.386	0.38	1.27	11.7	145
	04003	0424-04P18AWG-U0BK8-03	4	7 X 0.386	0.38	1.27	12.5	180
	04004	0424-06P18AWG-U0BK8-03	6	7 X 0.386	0.38	1.27	14.5	240
	04005	0424-08P18AWG-U0BK8-03	8	7 X 0.386	0.38	1.27	15.3	295
	04006	0424-12P18AWG-U0BK8-03	12	7 X 0.386	0.38	1.52	18.5	430
	04007	0424-16P18AWG-U0BK8-03	16	7 X 0.386	0.38	1.52	20.8	545
	04008	0424-20P18AWG-U0BK8-03	20	7 X 0.386	0.38	1.78	23.4	690
	04009	0424-24P18AWG-U0BK8-03	24	7 X 0.386	0.38	1.78	25.2	805
	04010	0424-32P18AWG-U0BK8-03	32	7 X 0.386	0.38	1.78	28.5	1030
	04011	0424-36P18AWG-U0BK8-03	36	7 X 0.386	0.38	1.78	30.0	1140
	04012	0424-40P18AWG-U0BK8-03	40	7 X 0.386	0.38	1.78	31.4	1250
	04013	0424-50P18AWG-U0BK8-03	50	7 X 0.386	0.38	2.03	35.1	1565
16	04014	0424-02P16AWG-U0BK8-03	2	7 X 0.488	0.38	1.27	11.9	150
	04015	0424-03P16AWG-U0BK8-03	3	7 X 0.488	0.38	1.27	12.9	195
	04016	0424-04P16AWG-U0BK8-03	4	7 X 0.488	0.38	1.27	13.9	235
	04017	0424-06P16AWG-U0BK8-03	6	7 X 0.488	0.38	1.52	16.6	340
	04018	0424-08P16AWG-U0BK8-03	8	7 X 0.488	0.38	1.52	17.5	420
	04019	0424-12P16AWG-U0BK8-03	12	7 X 0.488	0.38	1.52	20.6	590
	04020	0424-16P16AWG-U0BK8-03	16	7 X 0.488	0.38	1.78	23.7	785
	04021	0424-20P16AWG-U0BK8-03	20	7 X 0.488	0.38	1.78	26.1	950
	04022	0424-24P16AWG-U0BK8-03	24	7 X 0.488	0.38	1.78	28.2	1115
	04023	0424-32P16AWG-U0BK8-03	32	7 X 0.488	0.38	2.03	32.4	1475
	04024	0424-36P16AWG-U0BK8-03	36	7 X 0.488	0.38	2.03	34.1	1635
	04025	0424-40P16AWG-U0BK8-03	40	7 X 0.488	0.38	2.03	35.7	1800
	04026	0424-50P16AWG-U0BK8-03	50	7 X 0.488	0.38	2.03	39.3	2200

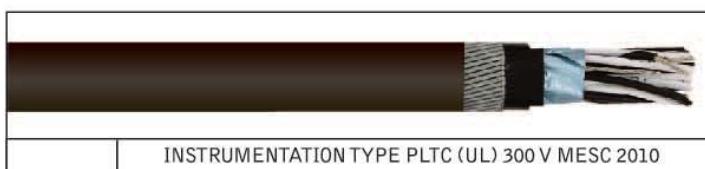
TRIPLES

SIZE (AWG)	Order No.	MESC Code	Pairs	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. weight Kg/Km
18	04027	0424-02T18AWG-U0BK8-03	2	7 X 0.386	0.38	1.27	12.3	145
	04028	0424-03T18AWG-U0BK8-03	3	7 X 0.386	0.38	1.27	13.1	185
	04029	0424-04T18AWG-U0BK8-03	4	7 X 0.386	0.38	1.27	14.2	225
	04030	0424-06T18AWG-U0BK8-03	6	7 X 0.386	0.38	1.52	17.8	335
	04031	0424-08T18AWG-U0BK8-03	8	7 X 0.386	0.38	1.52	18.7	405
	04032	0424-12T18AWG-U0BK8-03	12	7 X 0.386	0.38	1.52	22.1	570
	04033	0424-16T18AWG-U0BK8-03	16	7 X 0.386	0.38	1.78	25.5	755
	04034	0424-20T18AWG-U0BK8-03	20	7 X 0.386	0.38	1.78	28.1	920
	04035	0424-24T18AWG-U0BK8-03	24	7 X 0.386	0.38	1.78	30.4	1075
	04036	0424-32T18AWG-U0BK8-03	32	7 X 0.386	0.38	2.03	34.9	1415
	04037	0424-36T18AWG-U0BK8-03	36	7 X 0.386	0.38	2.03	36.8	1575
16	04038	0424-02T16AWG-U0BK8-03	2	7 X 0.488	0.38	1.27	13.6	190
	04039	0424-03T16AWG-U0BK8-03	3	7 X 0.488	0.38	1.27	14.5	250
	04040	0424-04T16AWG-U0BK8-03	4	7 X 0.488	0.38	1.52	16.2	325
	04041	0424-06T16AWG-U0BK8-03	6	7 X 0.488	0.38	1.52	19.7	450
	04042	0424-08T16AWG-U0BK8-03	8	7 X 0.488	0.38	1.52	20.9	565
	04043	0424-12T16AWG-U0BK8-03	12	7 X 0.488	0.38	1.78	25.3	830
	04044	0424-16T16AWG-U0BK8-03	16	7 X 0.488	0.38	1.78	28.5	1060
	04045	0424-20T16AWG-U0BK8-03	20	7 X 0.488	0.38	1.78	31.4	1290
	04046	0424-24T16AWG-U0BK8-03	24	7 X 0.488	0.38	2.03	34.6	1560
	04047	0424-32T16AWG-U0BK8-03	32	7 X 0.488	0.38	2.03	39.2	2015
	04048	0424-36T16AWG-U0BK8-03	36	7 X 0.488	0.38	2.79	42.8	2380

INSTRUMENTATION/PROCESS CONTROL CABLES POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC) WIRE ARMOURED XLPE ISULATED MULTI PAIR / TRIAD OVERALL SHIELDED

Temperature range: - 40°C to + 90°C

Specifications: UL13



Application : Can be used in cable tray, conduit or direct burial application for instrumentation / process control, in dry or wet location. The wire armour provides longitudinal strength for use as a messenger cable or for support in vertical drops (NEC SECTION 300-19) and provides the protection against the mechanical damage.

Construction

- Conductor : Tinned Copper to ASTM B33 & Stranded to class B of ASTM B8.
- Insulation : Flame retardant XLPE to ICEA S-82-552.
- Pair colour code : White & Black with pair number on white conductor.
- Triple colour code : White, Black & Red with triple number on white conductor.
- Pairs/Triples Twisting : All pairs / triples are twisted to counter electromagnetic noise.
- Over-all shielding : Twisted pairs / triples are cabled with non-hygroscopic fillers if necessary and the entire assembly is shielded with aluminium polyester tape and a tinned copper drain wire.
- Inner Jacket : Extruded black PVC as per UL13.
- Wire Armour : A serving of round galvanised steel wires is applied with 90% minimum coverage.
- Outer Jacket : Extruded black PVC as per UL13 is oil and sun light resistant and passes flame test as per IEEE-383 (70000 BTU).

INSTRUMENTATION/PROCESS CONTROL CABLES

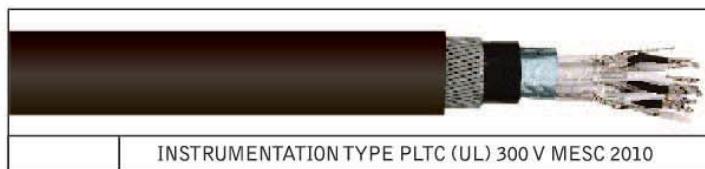
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)

WIRE ARMOURED XLPE INSULATED MULTI PAIR / MULTI TRIAD

INDIVIDUAL & OVERALL SHIELDED

Temperature range - 40°C to +90°C

Specifications: UL13



Application : Can be used in cable tray, conduit or direct burial application for instrumentation / process control, in dry or wet location. The wire armour provides longitudinal strength for use as a messenger cable or for support in vertical drops (NEC SECTION 300-19) and provides the protection against the mechanical damage.

Construction

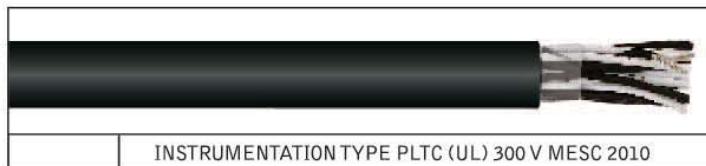
- Conductor : Tinned Copper to ASTM B33 & Stranded to class B of ASTM B8.
- Insulation : Flame retardant XLPE to ICEA S-82-552.
- Pair colour code : White & Black with pair number on white conductor.
- Triple colour code : White, Black & Red with triple number on white conductor.
- Pairs/Triples Twisting : All pairs / triples are twisted to counter electromagnetic noise.
- Individual and Overall Shielding : Each pair / triple is shielded with aluminium polyester tape and a tinned copper drain wire for maximum electrostatic noise and crosstalk rejection. All pair/triple shields are electrically isolated from each other. Individually shielded pairs/triples cabled with non-hygroscopic fillers if necessary and the entire assembly is shielded with aluminium polyester tape and a tinned copper drain wire.
- Inner Jacket : Extruded black PVC as per UL13.
- Wire Armour : A serving of round galvanised steel wires is applied with 90% minimum coverage.
- Outer Jacket : Extruded black PVC as per UL13 is oil and sunlight resistant and passes flame test as per IEEE-383 (70000 BTU).



INSTRUMENTATION / PROCESS CONTROL CABLES POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC) PVC INSULATED MULTI PAIR / MULTI TRIAD UNSHIELDED

Temperature range - 40°C to +90°C

Specifications: UL13



Application : Can be used in cable tray, conduit or direct burial application for instrumentation / process control, in dry or wet location.

- **Conductor** : Plain copper to ASTM B3, stranded to Class B / Class C of ASTM B8.
- **Insulation** : Flame retardant PVC rated 90°C as per UL13.
- **Pair Colour Code** : White and black with pair number on white conductor.
- **Triple Colour Code** : White, black and red with triple number on white conductor.
- **Pairs/Triples Twisting** : All pairs / triples twisted to counter electromagnetic noise.
- **Assembly** : Twisted pairs / triples are cabled with non-hygroscopic fillers if necessary and the entire assembly is covered with a polyester tape if required.
- **Jacket** : Extruded black PVC as per UL13, oil and sunlight resistant passes flame test as per IEEE - 383 (70000 BTU). The jacket is impervious to vapour and moisture penetration.

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)
PVC INSULATED MULTIPAIR / MULTI TRIAD
UNSHIELDED

PAIRS

SIZE (AWG)	Order No.	MESC Code	Pairs	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. weight Kg/Km
20	01247	0111-01P20AWG-U0BK8-03	1	7 X 0.307	0.38	0.89	5.7	40
	01248	0111-02P20AWG-U0BK8-03	2	7 X 0.307	0.38	1.01	8.8	70
	01249	0111-03P20AWG-U0BK8-03	3	7 X 0.307	0.38	1.01	9.5	90
	01250	0111-04P20AWG-U0BK8-03	4	7 X 0.307	0.38	1.27	10.7	120
	01251	0111-06P20AWG-U0BK8-03	6	7 X 0.307	0.38	1.27	12.3	160
	01252	0111-08P20AWG-U0BK8-03	8	7 X 0.307	0.38	1.27	12.9	195
	01253	0111-12P20AWG-U0BK8-03	12	7 X 0.307	0.38	1.27	15.1	270
	01254	0111-16P20AWG-U0BK8-03	16	7 X 0.307	0.38	1.52	17.5	360
	01255	0111-20P20AWG-U0BK8-03	20	7 X 0.307	0.38	1.52	19.2	435
	01256	0111-24P20AWG-U0BK8-03	24	7 X 0.307	0.38	1.52	20.7	505
	01257	0111-32P20AWG-U0BK8-03	32	7 X 0.307	0.38	1.78	23.9	675
	01258	0111-36P20AWG-U0BK8-03	36	7 X 0.307	0.38	1.78	25.1	745
	01259	0111-40P20AWG-U0BK8-03	40	7 X 0.307	0.38	1.78	26.2	815
	01260	0111-50P20AWG-U0BK8-03	50	7 X 0.307	0.38	1.78	28.9	985
18	01261	0111-01P18AWG-U0BK8-03	1	7 X 0.386	0.38	0.89	6.2	50
	01262	0111-02P18AWG-U0BK8-03	2	7 X 0.386	0.38	1.01	9.7	90
	01263	0111-03P18AWG-U0BK8-03	3	7 X 0.386	0.38	1.27	11.0	130
	01264	0111-04P18AWG-U0BK8-03	4	7 X 0.386	0.38	1.27	11.8	155
	01265	0111-06P18AWG-U0BK8-03	6	7 X 0.386	0.38	1.27	13.6	210
	01266	0111-08P18AWG-U0BK8-03	8	7 X 0.386	0.38	1.27	14.3	260
	01267	0111-12P18AWG-U0BK8-03	12	7 X 0.386	0.38	1.52	17.4	385
	01268	0111-16P18AWG-U0BK8-03	16	7 X 0.386	0.38	1.52	19.5	485
	01269	0111-20P18AWG-U0BK8-03	20	7 X 0.386	0.38	1.52	21.4	590
	01270	0111-24P18AWG-U0BK8-03	24	7 X 0.386	0.38	1.78	23.7	715
	01271	0111-32P18AWG-U0BK8-03	32	7 X 0.386	0.38	1.78	26.7	920
	01272	0111-36P18AWG-U0BK8-03	36	7 X 0.386	0.38	1.78	28.1	1020
	01273	0111-40P18AWG-U0BK8-03	40	7 X 0.386	0.38	1.78	29.4	1115
	01274	0111-50P18AWG-U0BK8-03	50	7 X 0.386	0.38	2.03	32.9	1400
16	01275	0111-01P16AWG-U0BK8-03	1	7 X 0.488	0.38	0.89	6.8	60
	01276	0111-02P16AWG-U0BK8-03	2	7 X 0.488	0.38	1.27	11.3	130
	01277	0111-03P16AWG-U0BK8-03	3	7 X 0.488	0.38	1.27	12.2	170
	01278	0111-04P16AWG-U0BK8-03	4	7 X 0.488	0.38	1.27	13.1	205
	01279	0111-06P16AWG-U0BK8-03	6	7 X 0.488	0.38	1.27	15.2	285
	01280	0111-08P16AWG-U0BK8-03	8	7 X 0.488	0.38	1.52	16.5	370
	01281	0111-12P16AWG-U0BK8-03	12	7 X 0.488	0.38	1.52	19.4	520
	01282	0111-16P16AWG-U0BK8-03	16	7 X 0.488	0.38	1.52	21.9	670
	01283	0111-20P16AWG-U0BK8-03	20	7 X 0.488	0.38	1.78	24.6	840
	01284	0111-24P16AWG-U0BK8-03	24	7 X 0.488	0.38	1.78	26.6	985
	01285	0111-32P16AWG-U0BK8-03	32	7 X 0.488	0.38	1.78	30.1	1275
	01286	0111-36P16AWG-U0BK8-03	36	7 X 0.488	0.38	1.78	31.7	1415
	01287	0111-40P16AWG-U0BK8-03	40	7 X 0.488	0.38	2.03	33.7	1595
	01288	0111-50P16AWG-U0BK8-03	50	7 X 0.488	0.38	2.03	37.1	1950
14	01289	0111-01P14AWG-U0BK8-03	1	19 X 0.373	0.51	1.01	8.3	90
	01290	0111-02P14AWG-U0BK8-03	2	19 X 0.373	0.51	1.27	13.6	185
	01291	0111-03P14AWG-U0BK8-03	3	19 X 0.373	0.51	1.27	14.8	245
	01292	0111-04P14AWG-U0BK8-03	4	19 X 0.373	0.51	1.52	16.5	320
	01293	0111-06P14AWG-U0BK8-03	6	19 X 0.373	0.51	1.52	19.1	445
	01294	0111-08P14AWG-U0BK8-03	8	19 X 0.373	0.51	1.52	20.2	555
	01295	0111-12P14AWG-U0BK8-03	12	19 X 0.373	0.51	1.78	24.5	820
	01296	0111-16P14AWG-U0BK8-03	16	19 X 0.373	0.51	1.78	27.6	1055
	01297	0111-20P14AWG-U0BK8-03	20	19 X 0.373	0.51	1.78	30.4	1285
	01298	0111-24P14AWG-U0BK8-03	24	19 X 0.373	0.51	2.03	33.5	1555
	01299	0111-32P14AWG-U0BK8-03	32	19 X 0.373	0.51	2.03	37.9	2010
	01300	0111-36P14AWG-U0BK8-03	36	19 X 0.373	0.51	2.03	40.0	2240

**INSTRUMENTATION/PROCESS CONTROL CABLES
 POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)
 PVC INSULATED MULTI PAIR / MULTI TRIAD
 OVERALL SHIELDED**

Temperature range - 40°C to +90°C

Specifications: UL13



Application : : Can be used in cable tray, conduit or direct burial application for instrumentation / process control, in dry or wet location.

- **Conductor** : Plain copper to ASTM B3 , stranded to class B of ASTM B8.
- **Insulation** : Flame retardant PVC insulation rated 90°C as per UL13.
- **Pair Colour Code** : White and black with pair number on white conductor.
- **Triple Colour Code** : White, black and red with triple number on white conductor.
- **Pairs/Triples Twisting** : All pairs / triples are twisted to counter electromagnetic noise.
- **Overall Shielding:** : Twisted pairs / triples are cabled with non-hygroscopic fillers if necessary and the entire assembly is shielded with aluminum polyester tape and a tinned copper drain wire.
- **Jacket** : Extruded black PVC as per UL13, oil and sunlight resistant, passes flame test as per IEEE - 383 (70000 BTU).The jacket is impervious to vapour and moisture penetration.

INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)
PVC INSULATED MULTIPAIR / MULTI TRIAD
OVER-ALL SHIELDED
TRIPLES

SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
22	02277	0211-01T22AWG-U0BK8-03	1	7 X 0.244	0.38	0.89	5.7	40
	02278	0211-02T22AWG-U0BK8-03	2	7 X 0.244	0.38	1.01	9.4	80
	02279	0211-03T22AWG-U0BK8-03	3	7 X 0.244	0.38	1.27	10.5	115
	02280	0211-04T22AWG-U0BK8-03	4	7 X 0.244	0.38	1.27	11.3	135
	02281	0211-06T22AWG-U0BK8-03	6	7 X 0.244	0.38	1.27	13.6	180
	02282	0211-08T22AWG-U0BK8-03	8	7 X 0.244	0.38	1.27	14.3	220
	02283	0211-12T22AWG-U0BK8-03	12	7 X 0.244	0.38	1.52	17.3	315
	02284	0211-16T22AWG-U0BK8-03	16	7 X 0.244	0.38	1.52	19.4	395
	02285	0211-20T22AWG-U0BK8-03	20	7 X 0.244	0.38	1.52	21.3	475
	02286	0211-24T22AWG-U0BK8-03	24	7 X 0.244	0.38	1.78	23.5	580
	02287	0211-32T22AWG-U0BK8-03	32	7 X 0.244	0.38	1.78	26.5	730
	02288	0211-36T22AWG-U0BK8-03	36	7 X 0.244	0.38	1.78	27.9	810
20	02289	0211-01T20AWG-U0BK8-03	1	7 X 0.307	0.38	0.89	6.0	50
	02290	0211-02T20AWG-U0BK8-03	2	7 X 0.307	0.38	1.27	10.6	110
	02291	0211-03T20AWG-U0BK8-03	3	7 X 0.307	0.38	1.27	11.2	135
	02292	0211-04T20AWG-U0BK8-03	4	7 X 0.307	0.38	1.27	12.1	160
	02293	0211-06T20AWG-U0BK8-03	6	7 X 0.307	0.38	1.27	14.5	215
	02294	0211-08T20AWG-U0BK8-03	8	7 X 0.307	0.38	1.27	15.3	265
	02295	0211-12T20AWG-U0BK8-03	12	7 X 0.307	0.38	1.52	18.6	385
	02296	0211-16T20AWG-U0BK8-03	16	7 X 0.307	0.38	1.52	20.9	485
	02297	0211-20T20AWG-U0BK8-03	20	7 X 0.307	0.38	1.78	23.5	615
	02298	0211-24T20AWG-U0BK8-03	24	7 X 0.307	0.38	1.78	25.4	715
	02299	0211-32T20AWG-U0BK8-03	32	7 X 0.307	0.38	1.78	28.7	915
	02300	0211-36T20AWG-U0BK8-03	36	7 X 0.307	0.38	1.78	30.2	1010
18	02301	0211-01T18AWG-U0BK8-03	1	7 X 0.386	0.38	0.89	6.6	65
	02302	0211-02T18AWG-U0BK8-03	2	7 X 0.386	0.38	1.27	11.7	135
	02303	0211-03T18AWG-U0BK8-03	3	7 X 0.386	0.38	1.27	12.4	175
	02304	0211-04T18AWG-U0BK8-03	4	7 X 0.386	0.38	1.27	13.5	215
	02305	0211-06T18AWG-U0BK8-03	6	7 X 0.386	0.38	1.52	16.8	310
	02306	0211-08T18AWG-U0BK8-03	8	7 X 0.386	0.38	1.52	17.8	385
	02307	0211-12T18AWG-U0BK8-03	12	7 X 0.386	0.38	1.52	20.9	530
	02308	0211-16T18AWG-U0BK8-03	16	7 X 0.386	0.38	1.78	24.2	710
	02309	0211-20T18AWG-U0BK8-03	20	7 X 0.386	0.38	1.78	26.5	855
	02310	0211-24T18AWG-U0BK8-03	24	7 X 0.386	0.38	1.78	28.7	1005
	02311	0211-32T18AWG-U0BK8-03	32	7 X 0.386	0.38	2.03	33.0	1325
	02312	0211-36T18AWG-U0BK8-03	36	7 X 0.386	0.38	2.03	34.7	1470
16	02313	0211-01T16AWG-U0BK8-03	1	7 X 0.488	0.38	1.01	7.5	85
	02314	0211-02T16AWG-U0BK8-03	2	7 X 0.488	0.38	1.27	13.0	172
	02315	0211-03T16AWG-U0BK8-03	3	7 X 0.488	0.38	1.27	13.8	224
	02316	0211-04T16AWG-U0BK8-03	4	7 X 0.488	0.38	1.27	15.0	278
	02317	0211-06T16AWG-U0BK8-03	6	7 X 0.488	0.38	1.52	18.8	414
	02318	0211-08T16AWG-U0BK8-03	8	7 X 0.488	0.38	1.52	19.9	516
	02319	0211-12T16AWG-U0BK8-03	12	7 X 0.488	0.38	1.78	24.1	759
	02320	0211-16T16AWG-U0BK8-03	16	7 X 0.488	0.38	1.78	27.2	972
	02321	0211-20T16AWG-U0BK8-03	20	7 X 0.488	0.38	1.78	29.9	1181
	02322	0211-24T16AWG-U0BK8-03	24	7 X 0.488	0.38	2.03	32.9	1427
	02323	0211-32T16AWG-U0BK8-03	32	7 X 0.488	0.38	2.03	37.2	1836
	02324	0211-36T16AWG-U0BK8-03	36	7 X 0.488	0.38	2.03	39.2	2043



INSTRUMENTATION/PROCESS CONTROL CABLES

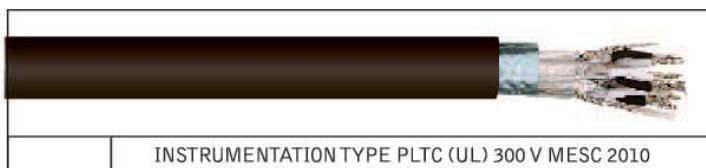
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)

PVC INSULATED MULTI PAIR / MULTI TRIAD

INDIVIDUAL & OVERALL SHIELDED

Temperature range - 40°C to +90°C

Specifications: UL13



INSTRUMENTATION TYPE PLTC (UL) 300 V MESC 2010

Application : Can be used in cable tray, conduit or direct burial application for instrumentation / process control, in dry or wet location.

- Conductor : Plain copper to ASTM B3, stranded to class B of ASTM B8.
- Insulation : Flame retardant PVC rated 90°C as per UL 13.
- Pair Colour Code : White and black with pair number on white conductor.
- Triple Colour Code : White, black and red with triple number on white conductor.
- Pairs/Triples Twisting : All pairs / triples are twisted to counter electromagnetic noise.
- Individual and Overall Shielding : Each pair / triple is shielded with aluminium polyester tape and a tinned copper drain wire for maximum electrostatic noise and crosstalk rejection. All pair/triple shields are electrically isolated from each other. Individually shielded pairs/triples cabled with non-hygroscopic fillers if necessary and the entire assembly is shielded with aluminium polyester tape and a tinned copper drain wire.
- Jacket : Extruded black PVC as per UL13, oil and sunlight resistant, passes flame test as per IEEE - 383 (70000 BTU). The jacket is impervious to vapour and moisture penetration.



M E S C

**INSTRUMENTATION / PROCESS CONTROL CABLES
POWER LIMITED TRAY CABLE 300 VOLTS (TYPE PLTC)
PVC INSULATED MULTIPAIR / MULTI TRIAD
INDIVIDUAL & OVERALL SHIELDED**

TRIPLES

SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
22	04101	0411-02T22AWG-U0BK8-03	2	7 X 0.244	0.38	1.27	10.5	105
	04102	0411-03T22AWG-U0BK8-03	3	7 X 0.244	0.38	1.27	11.1	130
	04103	0411-04T22AWG-U0BK8-03	4	7 X 0.244	0.38	1.27	12.0	155
	04104	0411-06T22AWG-U0BK8-03	6	7 X 0.244	0.38	1.27	14.5	215
	04105	0411-08T22AWG-U0BK8-03	8	7 X 0.244	0.38	1.27	15.3	260
	04106	0411-12T22AWG-U0BK8-03	12	7 X 0.244	0.38	1.52	18.5	380
	04107	0411-16T22AWG-U0BK8-03	16	7 X 0.244	0.38	1.52	20.8	480
	04108	0411-20T22AWG-U0BK8-03	20	7 X 0.244	0.38	1.78	23.4	605
	04109	0411-24T22AWG-U0BK8-03	24	7 X 0.244	0.38	1.78	25.2	700
	04110	0411-32T22AWG-U0BK8-03	32	7 X 0.244	0.38	1.78	28.5	895
	04111	0411-36T22AWG-U0BK8-03	36	7 X 0.244	0.38	1.78	30.0	990

SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
20	04112	0411-02T20AWG-U0BK8-03	2	7 X 0.307	0.38	1.27	11.2	125
	04113	0411-03T20AWG-U0BK8-03	3	7 X 0.307	0.38	1.27	11.9	160
	04114	0411-04T20AWG-U0BK8-03	4	7 X 0.307	0.38	1.27	12.9	190
	04115	0411-06T20AWG-U0BK8-03	6	7 X 0.307	0.38	1.52	16.1	285
	04116	0411-08T20AWG-U0BK8-03	8	7 X 0.307	0.38	1.52	17.0	345
	04117	0411-12T20AWG-U0BK8-03	12	7 X 0.307	0.38	1.52	20.0	480
	04118	0411-16T20AWG-U0BK8-03	16	7 X 0.307	0.38	1.78	23.1	635
	04119	0411-20T20AWG-U0BK8-03	20	7 X 0.307	0.38	1.78	25.3	765
	04120	0411-24T20AWG-U0BK8-03	24	7 X 0.307	0.38	1.78	27.3	890
	04121	0411-32T20AWG-U0BK8-03	32	7 X 0.307	0.38	1.78	30.9	1145
	04122	0411-36T20AWG-U0BK8-03	36	7 X 0.307	0.38	2.03	33.1	1310

SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
18	04123	0411-02T18AWG-U0BK8-03	2	7 X 0.386	0.38	1.27	12.3	150
	04124	0411-03T18AWG-U0BK8-03	3	7 X 0.386	0.38	1.27	13.1	195
	04125	0411-04T18AWG-U0BK8-03	4	7 X 0.386	0.38	1.27	14.2	240
	04126	0411-06T18AWG-U0BK8-03	6	7 X 0.386	0.38	1.52	17.8	355
	04127	0411-08T18AWG-U0BK8-03	8	7 X 0.386	0.38	1.52	18.7	435
	04128	0411-12T18AWG-U0BK8-03	12	7 X 0.386	0.38	1.52	22.1	615
	04129	0411-16T18AWG-U0BK8-03	16	7 X 0.386	0.38	1.78	25.5	815
	04130	0411-20T18AWG-U0BK8-03	20	7 X 0.386	0.38	1.78	28.1	990
	04131	0411-24T18AWG-U0BK8-03	24	7 X 0.386	0.38	1.78	30.4	1165
	04132	0411-32T18AWG-U0BK8-03	32	7 X 0.386	0.38	2.03	34.9	1535
	04133	0411-36T18AWG-U0BK8-03	36	7 X 0.386	0.38	2.03	36.8	1705

SIZE (AWG)	Order No.	MESC Code	Triples	Strands X diameter No. X mm	Insulation thickness mm	Nominal jacket thickness mm	Approx. O.D. mm	Approx. Weight Kg/Km
16	04134	0411-02T16AWG-U0BK8-03	2	7 X 0.488	0.38	1.27	13.6	200
	04135	0411-03T16AWG-U0BK8-03	3	7 X 0.488	0.38	1.27	14.5	260
	04136	0411-04T16AWG-U0BK8-03	4	7 X 0.488	0.38	1.52	16.2	340
	04137	0411-06T16AWG-U0BK8-03	6	7 X 0.488	0.38	1.52	19.7	480
	04138	0411-08T16AWG-U0BK8-03	8	7 X 0.488	0.38	1.52	20.9	605
	04139	0411-12T16AWG-U0BK8-03	12	7 X 0.488	0.38	1.78	25.3	885
	04140	0411-16T16AWG-U0BK8-03	16	7 X 0.488	0.38	1.78	28.5	1130
	04141	0411-20T16AWG-U0BK8-03	20	7 X 0.488	0.38	1.78	31.4	1380
	04142	0411-24T16AWG-U0BK8-03	24	7 X 0.488	0.38	2.03	34.6	1670
	04143	0411-32T16AWG-U0BK8-03	32	7 X 0.488	0.38	2.03	39.2	2155
	04144	0411-36T16AWG-U0BK8-03	36	7 X 0.488	0.38	2.79	42.8	2540