LUTZE Electronic PLTC PVC, Shielded

Flexible Electronic Cable for Stationary Applications

Application

- Dual-shielded multi-conductor industrial grade PLTC electronic cable
- Machine tools, machine and plant construction, HVAC technology, assembly and production lines, process instrumentation and controls
- Compliant with NFPA 79 requirements
- PLTC for installation in cable trays

Characteristics

- Flexible for easy installation
- Easy strip design
- Color coded conductors
- Specially formulated jacket for oil resistance
- Premium durability
- Extended temperature range
- Sunlight resistant
- Gas/vapor-tight sheath per UL 13
- Talc and silicone free

Technical Data

Voltage	300V
Temperature range	-40°C - +105°C
Bending radius min	4 x cable OD
Conductor marking	See tables
Burning behavior	Flame retardant per UL VW-1, FT4
Oil resistance	Oil Res II
Approvals	UL Type PLTC UL Type CM AWM 2464 80C 300V AWM II A/B CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 (PLTC Use Only) UL 13 RoHS, REACH

Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors, twisted in pairs
- SR-PVC insulation
- Shielded with foil tape, tinned copper braid and drain wire
- Oil resistant premium PVC jacket
- Gray jacket similar to RAL 7001

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
	AWG 22 (19/34)				
A3142202	AWG22/1TP	5.0	0.197	27	12
A3142204	AWG22/2TP	6.6	0.261	42	21
A3142206	AWG22/3TP	6.9	0.273	54	26
A3142208	AWG22/4TP	7.7	0.305	62	31
A3142210	AWG22/5TP	8.3	0.328	71	37
A3142212	AWG22/6TP	9.0	0.353	81	43
A3142216	AWG22/8TP	9.6	0.378	98	54
	AWG 20 (19/32)				
A3142002	AWG20/1TP	5.7	0.225	35	18
A3142004	AWG20/2TP	7.6	0.301	55	30
A3142006	AWG20/3TP	8.0	0.315	67	38
A3142008	AWG20/4TP	8.7	0.341	81	47
A3142010	AWG20/5TP	9.3	0.368	95	55
A3142012	AWG20/6TP	10.5	0.413	115	66
A3142016	AWG20/8TP	11.3	0.443	139	84
	AWG 18 (19/30)				
A3141802	AWG18/1TP	5.9	0.233	44	27
A3141804	AWG18/2TP	8.4	0.330	72	44
A3141806	AWG18/3TP	8.8	0.348	89	57
A3141808	AWG18/4TP	9.6	0.377	108	71
A3141810	AWG18/5TP	10.9	0.428	135	85
A3141812	AWG18/6TP	11.7	0.462	154	99
A3141816	AWG18/8TP	12.6	0.496	188	125
	AWG16 (26/30)				
A3141602	AWG16/1TP	7.3	0.288	61	34
A3141604	AWG16/2TP	10.8	0.425	107	55
A3141606	AWG16/3TP	11.4	0.448	127	72
A3141608	AWG16/4TP	12.3	0.486	155	91
A3141612	AWG16/6TP	14.6	0.573	213	128
A3141616	AWG16/8TP	16.2	0.639	270	162

Color Code Table AWG 22 Pair

1- WH&BK
2- WH&BN
3- WH&RD
4- WH&OG
5- WH&YE
6- WH&GN
7- WH&BU
8- WH&VT

Color Code Table AWG 20, 18 & 16 Pair

1- BK&RD
2- BK&WH
3- BK&GN
4- BK&BU
5- BK&BN
6- BK&YE
7- BK&OG
8- RD&GN

Specifications are subject to change without prior notice