

Power Limited Control Cable & Communications Cable

105°C PVC Insulated Twisted Pairs. 300 Volts. Tinned Copper Conductors. Overall Foil Shield with Tinned Copper Drain Wire and overall PVC Jacket (PLTC, ITC, FPLR, CL3R, CMR, CMG). Additionally rated as 80C 300V AWM Style 2464.

CONSTRUCTION:

- Conductors:** Class C, concentric-lay stranded tinned copper per ASTM B33 and B8
Drain Wire: Class B, concentric-lay stranded tinned copper per ASTM B33 and B8
Insulation: Premium Grade Polyvinyl Chloride (PVC)
Color Code: 1 PR - BLK/RED, 2-PR BLUE/WHT - (Print color - BLK/WHT; Alpha-numeric, alternating & inverted)
Assembly: The insulated twisted, paired conductors are cabled together. An aluminum/polyester (foil out, 100% coverage) with 18-7 tinned drain is applied over the cabled assembly. A final PVC jacket is applied.
Jacket: PVC - Black or Gray available

APPLICATIONS AND FEATURES:

Power limited tray cable (PLTC) is approved for use in cable trays, raceways or where supported by a messenger wire and rated 300 Volts. PLTC is often used in, but not limited to industrial control systems, intercom systems and burglar alarm systems. Southwire PLTC is a multirated Sunlight Resistant product including ITC, Riser Rated Fire Alarm Cable (FPLR), General Communications Cable (CMR) and a Class 3 Communications Cable (CL3R). Additional Ratings include FT4 Flame when used as a General Communications (CMG) Cable, or 80C 300V AWM Style 2464.

SPECIFICATIONS:

- ASTM B33, B8
- UL 13 Power-Limited Circuit Cable - Type PLTC, CL3R
- UL 2250 Instrumentation Tray Cable - Type ITC
- UL 444 Communications Cable - Type CMR, CMG
- UL 1424 Cables for Power-Limited Fire-Alarm Circuits - Type FPLR

SAMPLE PRINT LEGEND: (White Ink)

18 AWG 2PR OAS E221215 c(UL)US PLTC/ITC/FPLR/CL3R/CMR 105C SUNLIGHT RESISTANT OR AWM 2464 80C 300V -- CMG FT4 MADE IN USE RoHS-2 COMPLIANT

TABLE 1 - WEIGHTS & MEASUREMENTS

Stock Code	Cond. Size (AWG)	No. Pairs	No. of Strands	INSUL. Thickness (mils)	Jacket Thickness (mils)	Nominal OD (mils)	Nominal Weight (Lbs/Mft)
776522	18	2	19	12	35	342	70

All dimensions are nominal and subject to nominal manufacturing tolerances



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