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1-800-Belden1



General Description:

Security & Alarm Cable, Rated-CMG-FPL-PLTC-ER, 4-18 AWG stranded tinned copper conductors with PVC insulation, Waterblocking tape, PVC jacket

Usage (Overall)

Suitable Applications: Low Voltage, Water-Blocked for Use in Underground Ducts, PLTC, FPL, Intercom, Sound, Audio

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	18	7x27	TC - Tinned Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.067

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green

Overall Cabling Separator Material: Waterblocking Tape

Overall Nominal Diameter: 7.849 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

Bulk Cable Weight: 59.528 Kg/Km

Max. Recommended Pulling Tension: 395.890 N

Min. Bend Radius/Minor Axis: 79.375 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG, FPL, PLTC-ER

CEC/(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 11/06/2006

METRIC MEASUREMENT VERSION

5302U1 Multi-Conductor - Water-Blocked

EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
CSA Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
98.430

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.3579

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
7.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5302U1 0101000	1,000 FT	44.000 LB	BLACK	C	4 #18 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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