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1-800-Belden1



General Description:

12 AWG multi-conductor stranded (7x20) bare copper conductors, PVC/Nylon insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	12	7x20	BC - Bare Copper

Total Number of Conductors: 4

Ground Wire

Ground Wire (Y/N): N

Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.194

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue
4	Orange

Overall Nominal Diameter: 10.592 mm

Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

UL Temperature Rating: 75°C Dry, +90°C Wet

Bulk Cable Weight: 227.695 Kg/Km

Max. Recommended Pulling Tension: 596.059 N

Min. Bend Radius/Minor Axis: 105.918 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: NPLF, TC-ER, THHN/THWN Singles

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

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

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

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

28111A Multi-Conductor - 600V Type TC-ER Cable

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	ICEA S-73-532, S-95-658, S-61-402

Flame Test

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

Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

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

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

5.41365

Max. Operating Voltage - UL:

Voltage

600 V RMS (Type TC)

150 V RMS (Type NPLF)

Max. Recommended Current:

Current

24 Amps per conductor @ 30°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
28111A 01010000	3,048 MT	675.856 KG	BLACK		4C12 PVCNYL PVC 600V TC-ER
28111A 0105000	1,524 MT	353.804 KG			4C12 PVCNYL PVC 600V TC-ER

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