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1-800-Belden1



General Description:

16 AWG multi-conductor stranded (7x24) bare copper conductors, PVC/Nylon insulation, overall Beldfoil® shield (100% coverage) with drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
25	16	7x24	BC - Bare Copper

Total Number of Conductors: 25

Ground Wire

Ground Wire (Y/N): N

Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
16	7x24		Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	2.108

Overall Cable

Overall Nominal Diameter: 18.212 mm

Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 546.169 Kg/Km

Max. Recommended Pulling Tension: 3892.175 N

Min. Bend Radius/Minor Axis: 182.880 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

28324AS Multi-Conductor - 600V Type TC-ER Cable

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

Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

Plenum/Non-Plenum

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

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

13.7802

Max. Recommended Current:

Current

8 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
28324AS 0105000	5,000 FT	2,060.000 LB	BLACK		25 #16 PVC/NYL FS PVC
28324AS01010000	10,000 FT	4,440.000 LB	BLACK		25 #16 PVC/NYL FS PVC

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