



For more Information
please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductor, polyolefin insulation, individually shielded Beldfoil® (100% coverage) numbered/color-coded PVC jackets, jackets and shields bonded to strip simultaneously, overall Beldfoil shield and 24 AWG TC drain wire.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
12	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 24

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PO - Polyolefin	1.016

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	2.819

Inner Jacket Color Code Chart:

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Tan
12	Pink

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
18	7x26	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material

PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 14.249 mm

Pair

Pair Color Code Chart:

Color
Red & Black

Mechanical Characteristics (Overall)

Operating Temperature Range: -35°C To +75°C
 Bulk Cable Weight: 241.088 Kg/Km
 Max. Recommended Pulling Tension: 980.383 N
 Min. Bend Radius/Minor Axis: 146.050 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM
 CEC/C(UL) Specification: CM
 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): 01/01/2004
 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

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (µH/m)
0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
101.711

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
190.298

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
76.4473

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 52.168 Ohm/km

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
1.05 Amps per conductor @ 25°C

Notes (Overall)

Notes: Jacket and shield are bonded so both can be removed with automatic stripping equipment. Beldfoil® provides high reliability with ease of termination.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1513C B591000	1,000 FT	178.000 LB	BLACK, MATTE	C	12 PR #24 PO FS PVC FS PVC
1513C B59500	500 FT	89.500 LB	BLACK, MATTE	C	12 PR #24 PO FS PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

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