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1-800-Belden1



### General Description:

22 AWG stranded (7x30) TC conductors, plenum, foam FEP insulation (data), STP w/Beldfoil®, 18 AWG (16x30) TC conductors unshielded, polypropylene binder tape, Flamarrest® insulation (power), Flamarrest® jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
2	1	22	7x30	TC - Tinned Copper
	1	18	16x30	TC - Tinned Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)	AWG
	FFEP - Foam Fluorinated Ethylene Propylene	0.635	22
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.279	18

#### Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Stranding	Dia. (mm)	Conductor Material
22 AWG Pair	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

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 5.207 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Blue & White
2	Red & Black

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 46.134 Kg/Km

Max. Recommended Pulling Tension: 266.002 N

Min. Bend Radius/Minor Axis: 63.500 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/(UL) Specification:	CMP
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):	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

### Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1502R

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Description	Impedance (Ohm)
22 AWG Pair	100

### Nom. Inductance:

Description	Inductance (µH/m)
22 AWG	0.761192
18 AWG	0.551208

### Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/m)
22 AWG Pair	45.934
18 AWG Pair	95.149

### Nom. Capacitance Cond. to Other Conductor & Shield:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/m)
22 AWG Pair				124.678

### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
22 AWG	53.4803
18 AWG	22.6389

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Current
3.8 Amps per conductor @ 25°C (22 AWG); 7.2 Amps per conductor @ 25°C (18 AWG)

## Notes (Overall)

Notes: Sequential footage marking every two feet.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1502P 0101000	1,000 FT	33.000 LB	BLACK	C	COMPOSITE CABLE PVC
1502P 8771000	1,000 FT	33.000 LB	NATURAL	C	COMPOSITE CABLE PVC
1502P 87710000	10,000 FT	330.000 LB	NATURAL		COMPOSITE CABLE PVC
1502P 8775000	5,000 FT	160.000 LB	NATURAL		COMPOSITE CABLE PVC

### Notes:

C = CRATE REEL PUT-UP.

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