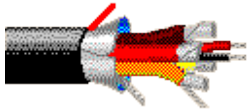


For more Information  
please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) TC conductor, polyolefin insulation, individually shielded with bonded Beldfoil®, numbered/color-coded Solef jackets, jackets and shields are bonded so both strip simultaneously, overall fluorocopolymer jacket and nylon rip cord.

### Usage (Overall)

**Suitable Applications:** Outdoor Applications, Sports Stadium

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
6	22	7x30	TC - Tinned Copper	0.762

**Total Number of Conductors:** 12

#### Insulation

**Insulation Material:**

Insulation Material
FEP

#### 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
22

**Inner Shield Drain Wire Stranding:** 7x30

**Inner Shield Drain Wire Conductor Material:** TC - Tinned Copper

#### Inner Jacket

**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (mm)
PVDF	3.023

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVDF

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Color Code Chart:**

Number	Color
1	Gray #1
2	Gray #2
3	Gray #3
4	Gray #4

5	Gray #5
6	Gray #6

Overall Nominal Diameter: 9.830 mm

## Pair

Pair Color Code Chart:

Color
Red & Black

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +150°C
Bulk Cable Weight:	93.757 Kg/Km
Max. Recommended Pulling Tension:	836.262 N
Min. Bend Radius/Minor Axis:	101.600 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(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):	12/01/2011
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:	UL910 Plenum
CSA Flame Test:	FT6

### Suitability

Suitability - Indoor:	Yes
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### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1816R

## Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
101.711

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
183.736

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
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48.5588

**Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:** 35.435 Ohm/km

**Max. Operating Voltage - UL:**

**Voltage**  
300 V RMS

**Max. Recommended Current:**

**Current**  
1.45 Amps per conductor @ 25°C

**Notes (Overall)**

**Notes:** Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Beldfoil® provides high reliability with ease of termination.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1816P 0101000	1,000 FT	84.000 LB	BLACK	C	6 FS PR #22 FEP SLF SLF
1816P 010500	500 FT	42.000 LB	BLACK	C	6 FS PR #22 FEP SLF SLF
1816P 0105000	5,000 FT	390.000 LB	BLACK		6 FS PR #22 FEP SLF SLF

**Notes:**  
C = CRATE REEL PUT-UP.

Revision Number: 0    Revision Date: 11-06-2014

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