

## 1818P Multi-Conductor - CMP Rated Cable



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)
12	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors: 24

**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
7	Gray #7
8	Gray #8
9	Gray #9
10	Gray #10
11	Gray #11
12	Gray #12

Overall Nominal Diameter: 13.310 mm

**Pair**

Pair Color Code Chart:

Color
Red & Black

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +150°C
Bulk Cable Weight:	214.301 Kg/Km
Max. Recommended Pulling Tension:	1623.593 N
Min. Bend Radius/Minor Axis:	133.350 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:	1818R

**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

## 1818P Multi-Conductor - CMP Rated Cable

## Nominal Velocity of Propagation:

VP (%)
66

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
48.5588

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

## 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
1818P 0101000	1,000 FT	152.000 LB	BLACK	C	12 FS PR #22 FEP SLF SLF
1818P 0104000	4,000 FT	640.000 LB	BLACK		12 FS PR #22 FEP SLF SLF
1818P 010500	500 FT	82.000 LB	BLACK		12 FS PR #22 FEP SLF SLF

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

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