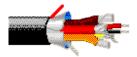
# METRIC MEASUREMENT VERSION



# 1518C Multi-Conductor - Flexible, CM Rated Cable



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	<b>Conductor Material</b>	Dia. (mm)
32	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 64

# Insulation

# Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PO - Polyolefin	0.2032	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:



Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### **Inner Jacket**

# Inner Jacket Material:

Inner Jacket Material	Nom Wall (mm)	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	0.3556	2.8194

# **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	
13	Gray/Brown	
14	Gray/Red	
15	Gray/Orange	

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Gray/Yellow
Gray/Green
Gray/Blue
Gray/Purple
Gray/Gray
Gray/White
Gray/Black
Gray/Tan
Gray/Pink
Blue/Brown
Blue/Red
Blue/Orange
Blue/Yellow
Blue/Green
Blue/Blue
Blue/Purple
Blue/Gray

# **Outer Shield**

# **Outer Shield Material:**

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

#### **Outer Shield Drain Wire AWG:**

AWG	Stranding	<b>Drain Wire Conductor Material</b>
18	7x26	TC - Tinned Copper

#### **Outer Jacket**

#### **Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.778

Outer Jacket Ripcord: Yes

# **Overall Cable**

Overall Nominal Diameter: 22.784 mm

# Pair

# Pair Color Code Chart:



# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-35°C To +75°C
Bulk Cable Weight:	656.296 Kg/Km
Max. Recommended Pulling Tension:	2448.290 N
Min. Bend Radius/Minor Axis:	222.250 mm

# **Applicable Specifications and Agency Compliance (Overall)**

# **Applicable Standards & Environmental Programs**

EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU CE Mark:	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
CEC/C(UL) Specification:	CM
NEC/(UL) Specification:	CM

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	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
Ple	num/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

52.168 Ohm/km

Deg. C:

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current
1.05 Amps per conductor @ 25°C

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1518C B591000	1,000 FT	481.000 LB	BLACK, MATTE	С	32 PR #24 PO FS PVC FS PVC
1518C B59500	500 FT	236.500 LB	BLACK, MATTE	С	32 PR #24 PO FS PVC FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-22-2012

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# **METRIC MEASUREMENT VERSION**



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