



For more Information
please call

1-800-Belden1



General Description:

18 AWG pairs stranded (19x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	19x30	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

Insulation Color Code Chart:

Number	Color
1	Black & Red

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
20	19x32	TC - Tinned Copper	

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 5.918 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 47.622 Kg/Km

Max. Recommended Pulling Tension: 115.653 N

Min. Bend Radius/Minor Axis: 56.642 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG, ITC-ER, PLTC-ER

9318 Multi-Conductor - 300V Power-Limited Tray Cable

CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
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:	UL1685 UL Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Surface Printing (Overall)

Surface Printing:	LEGEND: BELDEN 9318 E34972 1PR18 SHIELDED (UL) CL3R 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V ----FT4 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
-------------------	---

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.55777

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
328.1

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
177.174

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.5548

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
29.529

Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	PLTC, CMG
150 V RMS	ITC

Max. Recommended Current:

Current

9318 Multi-Conductor - 300V Power-Limited Tray Cable

5.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9318 060U1000	1,000 FT	32.000 LB	CHROME		2 #18 PVC SHLD PVC
9318 060U500	500 FT	17.000 LB	CHROME		2 #18 PVC SHLD PVC
9318 0601000	1,000 FT	33.000 LB	CHROME		2 #18 PVC FS PVC
9318 06010000	10,000 FT	330.000 LB	CHROME	C Z	2 #18 PVC SH PVC
9318 06015000	15,000 FT	645.000 LB	CHROME	C Y	2 #18 PVC SHLD PVC
9318 0605000	5,000 FT	165.000 LB	CHROME	C Z	2 #18 PVC SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 4 Revision Date: 05-17-2015

© 2020 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).