Belden

Product: 9488

High Perform Instr, 1 Pr #14 Str TC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC

Request Sample

Product Description

High Performance Instrumentation, 1 Pair 14AWG (41x30) Tinned Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC

Technical Specifications

Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...),low voltage digital control (24v, …), encoders, control circuits, distributed control

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	14	41x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.023 in (0.58 mm)	0.119 in (3.02 mm)	Black, Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.359 in (9.12 mm)	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
2.6 Ohm/1000ft	50 pF/ft (160 pF/m)	0.24 µH/ft (0.79 µH/m)	26 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
600 V (TC), 150 V (NPLF)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	Wet/Dry: -30°C to 90°C

Bend Radius

Stationary Min.	Installation Min.
1.4 in (36 mm)	1.75 in (44.5 mm)

Max. Pull Tension:	107 lbs (48.5 kg)
Bulk Cable Weight:	70 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, Article 760, NPLF, TC, THWN-2
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alternate color coding available upon request.

History

Update and Revision:	Revision Number: 0.580 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
9488 0101000	Black	612825253815	C
9488 0105000	Black	612825253822	C Z

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

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