



Product: [7784ENH](#)

7784ENH - Triax 11, 15 AWG Solid BC, Double BC Braids, LSZH Jkt



Product Description

Triax 11, 15 AWG Solid Copper Conductor, PE Insulation, 80% Bare Copper Braid Shield, LSZH Insulation, 80% Bare Copper Braid Shield, LSZH Jacket.

Technical Specifications

Product Overview

Suitable Applications:	Analog Video; Interconnect camera to CCU (camera control unit)
------------------------	--

Construction Details

Series Type:	Triax 8/11/14
--------------	---------------

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	15 AWG	Solid	1.4 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	6.5 mm (0.26 in)

Inner Shield

Shield Type	Material	Coverage
Braid	Bare Copper (BC)	80%

Inner Jacket

Material	Nom. Diameter
PE - Polyethylene	8.5 mm (0.33 in)

Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	80%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	11 mm

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.5 dB/100m
3.58 MHz	1 dB/100m
5 MHz	1.2 dB/100m
7 MHz	1.3 dB/100m
10 MHz	1.6 dB/100m
67.5 MHz	4.1 dB/100m
71.5 MHz	4.3 dB/100m
88.5 MHz	4.8 dB/100m

100 MHz	5.2 dB/100m
135 MHz	6 dB/100m
143 MHz	6.2 dB/100m
180 MHz	7.1 dB/100m
270 MHz	8.7 dB/100m
300 MHz	9 dB/100m
360 MHz	10.2 dB/100m
540 MHz	12.8 dB/100m
720 MHz	15 dB/100m
750 MHz	15.4 dB/100m
1000 MHz	18.2 dB/100m
1500 MHz	23 dB/100m
2000 MHz	27.4 dB/100m
2250 MHz	29.4 dB/100m
3000 MHz	35.1 dB/100m

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
11.2 Ohm/km	6.5 Ohm/km (2.0 Ohm/1000ft)	7 Ohm/km (2.1 Ohm/1000ft)	55 pF/m (17 pF/ft)	75 Ohm	81%

Screening

Frequency	Min. Screening Attenuation
30 - 850 MHz	75 dB

Voltage

Voltage Rating
400 V RMS

Table Notes: Maximum operating

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-30°C To +70°C	-5°C To +70°C	-30°C To +70°C

Bend Radius

Stationary Min.
110 mm (4.3 in)

Max. Pull Tension: 300 N (67 lbf)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
CENELEC Compliance:	EN 50117-1, EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 μ S/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision: Revision Number: 0.219 Revision Date: 04-29-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
7784ENH.02500	Red	Reel	500 m	8719605014498
7784ENH.021000	Red	Reel	1,000 m	8719605014481

© 2025 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.