

Product: 1505ANH

1505ANH - 75 Ohm SDI Coax, RG-59, 20 AWG Solid BC, Foil + 95% TC Braid, LSZH-C Jkt

Product Description

75 Ohm SDI Coax, RG-59, 20 AWG Solid Bare Copper Conductor, PE Insulation, Foil + 95% Tinned Copper Braid Shield, LSZH Jacket, Dca. IEC 60332-3-24.

Technical Specifications

Product Overview

Suitable Applications:	Digital Video, 6 Gb/s UHDTV, HD-SDI 1080p; The cable is UV-resistant and suitable for indoor and outdoor use

Construction Details

RG Type:	59

Conductor

Number of Element	Size	Stranding	Nom. Diameter	Material
1	20 AWG	Solid	0.81 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	3.68 mm (0.145 in)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	100%
2	Braid	Tinned Copper (TC)	95%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.92 mm

Table Notes:	According to European Standard EN 50290-2-20

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB
4500 - 6000 MHz	15 dB

Attenuation

Frequency	Nom. Attenuation
1 MHz	1 dB/100m
3.6 MHz	2 dB/100m
10 MHz	3 dB/100m
71.5 MHz	6.9 dB/100m
135 MHz	8.9 dB/100m
270 MHz	12.5 dB/100m
360 MHz	14.4 dB/100m

540 MHz	18.1 dB/100m
720 MHz	21.0 dB/100m
750 MHz	21.3 dB/100m
1000 MHz	24.9 dB/100m
1500 MHz	31.2 dB/100m
2250 MHz	39.0 dB/100m
3000 MHz	45.9 dB/100m
4500 MHz	57.4 dB/100m
6000 MHz	69.2 dB/100m

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
32 Ohm/km	12 Ohm/km (3.7 Ohm/1000ft)	53 pF/m (16 pF/ft)	75 Ohm	83%

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-30°C To +70°C	-5°C To +50°C	-30°C To +70°C

Bend Radius

Stationary Min.
60 mm (2.4 in)

Max. Pull Tension:	200 N (45 lbf)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Dca
Flammability / Reaction to Fire:	IEC 60332-1-2 and IEC 60332-3-24, CEI 20-22-3
CPR Compliance:	CPR Euroclass: Dca-s1,d1,a1
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 80%
CENELEC Compliance:	EN 50117-1
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 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark

History

Update and Revision:	Revision Number: 0.223 Revision Date: 01-25-2022

Variants

Item #	Color	Putup Type	Length	EAN
1505ANH.00100	Black	Reel	100 m	8719605001344
1505ANH.00305	Black	Reel	305 m	8719605001368
1505ANH.00500	Black	Reel	500 m	8719605001375
1505ANH.001000	Black	Reel	1,000 m	8719605001351
1505ANH.04500	Blue	Reel	500 m	8719605001498
1505ANH.041000	Blue	Reel	1,000 m	8719605001481
1505ANH.02100	Green	Reel	100 m	8719605001429
1505ANH.02305	Green	Reel	305 m	8719605001443
1505ANH.02500	Green	Reel	500 m	8719605001450
1505ANH.021000	Green	Reel	1,000 m	8719605001436
1505ANH.01100	Purple	Reel	100 m	
1505ANH.01305	Purple	Reel	305 m	8719605001405
1505ANH.01500	Purple	Reel	500 m	8719605001412
1505ANH.011000	Purple	Reel	1,000 m	8719605001382
1505ANH.011220	Purple	Reel	1,220 m	8719605001399
1505ANH.051000	Red	Reel	1,000 m	8719605001504
1505ANH.03305	Yellow	Reel	305 m	8719605001474
1505ANH.031000	Yellow	Reel	1,000 m	8719605001467

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