

1	2.1 dB/100m	75.3	72.3	73.2	70.2	68	65.0	20	67.0	67	40	35
4	3.8 dB/100m	66.3	63.3	62.5	59.5	56	53.0	23	67.0	66.2	40	23
10	5.9 dB/100m	60.3	57.3	54.4	51.4	48	45.0	25	67.0	58.2	40	15
16	7.5 dB/100m	57.2	54.2	49.8	46.8	43.9	40.9	25	67.0	54.1	38	10.9
31.2	10.5 dB/100m	52.9	49.9	42.4	39.4	38.1	35.1	23.6	67.0	48.3	35.1	5.1
62.5	15 dB/100m	48.4	45.4	33.4	30.4	32.1	29.1	21.5	65.6	42.3	32	
100	19.1 dB/100m	45.3	42.3	26.2	23.2	28	25.0	20.1	62.5	38.2	30	
125	21.5 dB/100m	43.8	40.8	22.3	19.3	26.1	23.1	19.4	61.0	36.3	29	
200	27.6 dB/100m	40.8	37.8	13.2	10.2	22	19.0	18	58.0	32.2	27	
250	31.1 dB/100m	39.3	36.3	8.3	5.3	20	17.0	17.3	56.5	30.2	26	
300	34.3 dB/100m	38.1	35.1	3.9	0.9	18.5	15.5	17.3	55.3	28.7		
500	45.3 dB/100m	34.8	31.8	-10.4	-13.4	14	11.0	17.3	52.0	24.2		

Voltage

Voltage Rating
72 V DC

Mechanical Characteristics

Temperature

Operating	Installation
-30°C to 60°C	0°C To +50°C

Bend Radius

Stationary Min.	Installation Min.
31 mm (1.2 in)	62 mm (2.4 in)

Max. Pull Tension:	80
Bulk Cable Weight:	59 kg/km

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Cca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Cca-s1a,d1,a1; CPR UKCA Class: Cca-s1a,d1,a1
IEEE Compliance:	PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
Data Category:	Category 6A
TIA/EIA Compliance:	ANSI/TIA 568.2-D
ISO/IEC Compliance:	ISO/IEC 11801-1, IEC 61034-2 - Smoke Density Min Transmittance = 80%
CENELEC Compliance:	EN 50173-1, Segregation class according EN50174-2 = b
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
UK Regulation Compliance:	UKCA Mark

Product Notes

Notes:	Electrical values are expected performance based on cable testing and representative performance within a typical Belden system.
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History

Update and Revision:	Revision Number: 0.82 Revision Date: 05-22-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
2302ELW.06500	Blue	Reel	500 m	8719605181565
2302ELW.07500	Purple	Reel	500 m	8719605181572

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