

1	2.1	74.3	72.3	72.3	70.3	67.8	64.8	20.0	67.0	67.0	40.0	35.0
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	23.0	67.0	66.2	40.0	23.0
8	5.3	60.8	58.8	55.4	53.4	49.7	46.7	24.5			40	16.9
10	5.9	59.3	57.3	53.4	51.4	47.8	44.8	25.0	67.0	58.2	40.0	15.0
16	7.5	56.2	54.2	48.8	46.8	43.7	40.7	25.0			38.0	10.9
20	8.4	54.8	52.8	46.4	44.4	41.8	38.8	25.0	67.0	52.2	37.0	9.0
25	9.4	53.3	51.3	44.0	42.0	39.8	36.8	24.3	67.0	50.2	36.0	7.0
31.25	10.5	51.9	49.9	41.4	39.4	37.9	34.9	23.6	67.0	48.3	35.1	5.1
62.5	15.0	47.4	45.4	32.4	30.4	31.9	28.9	21.5			32.0	
100	19.1	44.3	42.3	25.2	23.2	27.8	24.8	20.1	62.5	38.2	30.0	
200	27.6	39.8	37.8	12.2	10.2	21.8	18.8	18.0			27.0	
250	31.1	38.3	36.3	7.3	5.3	19.8	16.8	17.3	56.5	30.2	26.0	
300	34.3	37.1	35.1	2.9	0.9	18.3	15.3	16.8	55.3	28.7	25.2	
350	37.2	36.1	34.1			16.9	13.9	16.3	54.3	27.3	24.6	
400	40.1	35.3	33.3			15.8	12.8	15.9	53.5	26.2	24.0	
450	42.7	34.5	32.5			14.7	11.7	15.5	52.7	25.1	23.5	
500	45.3	33.8	31.8			13.8	10.8	15.2	52.0	24.2	23.0	

Voltage

UL Voltage Rating
300 V (CMR), 600 V (AWM)

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation	Storage
75°C	-40°C To +75°C	-25C To +75°C	-40°C To +60°C

Bend Radius

Installation Min.	Flexing Min.
2.6 in (66 mm)	5.1 in (130 mm)

Table Notes:	These cable are rated for both indoor and outdoor applications. For outdoor installations, the continuous flexing bend radius must be applied for outdoor use. Outdoor installations are susceptible to frequent movement due to environmental factors.
Bulk Cable Weight:	87.5 lbs/1000ft (130 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Oil Resistance
Flammability / Reaction to Fire:	UL 1685 Flame only
CPR Compliance:	CPR Euroclass: Fca
NEC / UL Compliance:	Article 800, Article 725, PLTC - CMR/CMX Outdoor
AWM Compliance:	AWM 21047
IEEE Compliance:	IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
NEMA Compliance:	ANSI/NEMA WC-66
Data Category:	Category 6A
TIA/EIA Compliance:	ANSI/TIA-568.2-D Category 6A
ISO/IEC Compliance:	ISO/IEC 11801-1, IEC 61156-5
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

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

Update and Revision:	Revision Number: 0.9 Revision Date: 07-02-2024
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