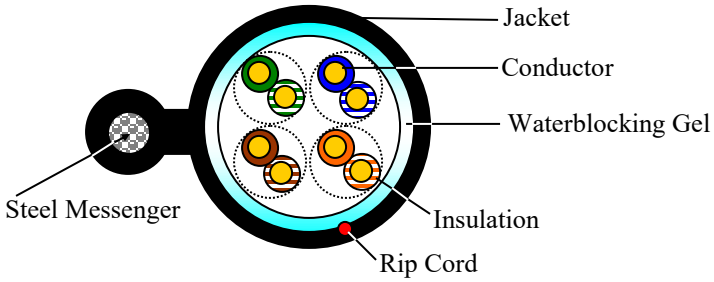
Category 5e Flooded 350 MHz Polyethylene Jacket

Part No.: 5AEFLDMESS

Applications

Supports all category 5 applications including Ethernet 100BASE -TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, and Ethernet 1000BASE-T



Construction Details:

Conductor:	24 AWG Solid Bare Copper
Number of Pairs:	4 Pair
Flooding Compound:	Waterblocking Gel
Messenger:	0.045 in. Steel
Construction Type:	Siamese
Jacket Material:	Polyethylene
Nominal Jacket Thickness:	0.022 in.
Surface Print:	Per Customer Requirement

Insulation Color Code:

Pair	Color Code
1	Blue with White
2	Orange with White
3	Green with White
4	Brown with White

Technical Details

Temperature Rating	
Installation:	-20°C to 50°C
Operation:	-20°C to 60°C
Nominal Overall Diameter:	Minor over Cat5e: 0.225 in. Major: 0.338 in.
Jacket Color:	Black
Nominal Weight:	29 lbs/ 1,000 feet

Electrical Parameters:

Mutual Capacitance:	14 pF/ft nominal
Capacitance Unbalance:	330 pF/ft maximum
Velocity of Propagation:	70%
Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. DCR Unbalance:	5%
Max. Delay Skew:	45.0ns/100m
Characteristic Impedance:	from 0.772 - 100 MHz 100 ± 15% from 101 - 200 MHz 100 ± 22% from 201 - 350 MHz 100 ± 32%

Standards

- ANSI/TIA/EIA 568C.2 Category 5e

Codes & Listings

- Non-Listed

MADE IN THE USA

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Electrical Characteristics:

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
MHz	dB	dB	dB/100m	dB	dB	dB	dB	dB	dB
	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3	63.8	60.8	68.3	66.3
4	23.0	20.3	4.0	61.3	59.3	51.7	48.7	57.3	55.3
10	23.0	25.0	6.4	55.3	53.3	43.8	40.8	48.9	46.9
16	23.0	25.0	8.2	52.3	50.3	39.7	36.7	44.1	42.1
20	23.0	25.0	9.2	50.8	48.8	37.7	34.7	41.6	39.6
31.25	21.1	23.6	11.7	47.9	45.9	33.9	30.9	36.2	34.2
62.5	18.1	21.5	16.9	43.4	41.4	27.8	24.8	26.5	24.5
100	16.0	20.1	21.9	40.3	38.3	23.8	20.8	18.4	16.4
250	12.0	17.3	36.8	34.3	32.3	15.8	12.8	- - -	- - -
300	11.2	16.8	40.9	33.2	31.2	14.2	11.2	- - -	- - -
350	10.6	16.3	44.8	32.2	30.2	12.9	9.9	- - -	- - -

Preparation For Shipment

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

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