



ChimeraX™ Armored Cat6A Data Cable

F/UTP Fire Retardant SWA Nylon Jacket, Anti Termite, Anti Rodent

Design Reference

ISO/IEC 11801

ANSI/TIA-568.2-D

RoHS

Working Conditions

Storage Temperature

-40°C ~ +75°C

Installation Temperature:

-20°C ~ +60°C

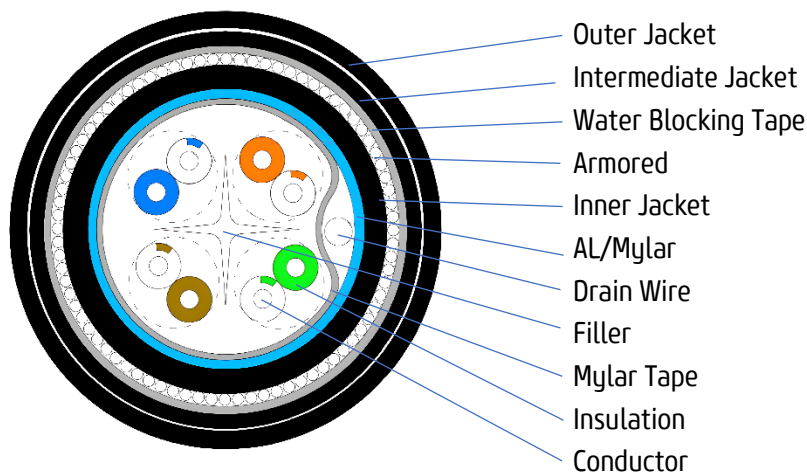
Operation Temperature

-40°C ~ +75°C

Min. Allowable Bending Radius

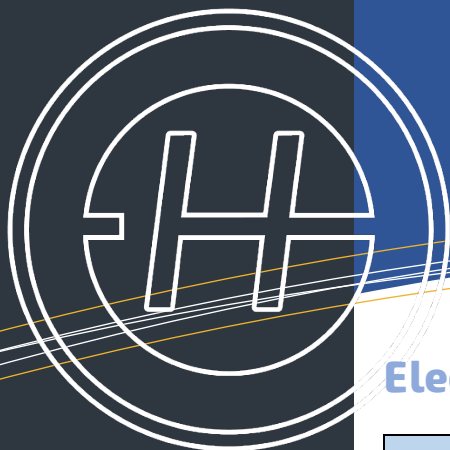
Fixed: 20D

D is the out diameter of the cable



Technical data

Conductor	Solid Bare Copper	
Conductor Size	23AWG	
Conductor Insulation	PE	
Insulation OD (Nom.)	mm	1.18±0.10
Filler	PE Cross Separator	
Shielded	AL/Mylar	
Drain Wire	Tinned Copper Wire	
Inner Jacket	PE	
Color	Black	
Overall Diameter (Nom.)	mm	8.00±0.50mm
Armored	0.90 mm Galvanized Steel Wire Spiral, Coverage≥90%	
Intermediate Jacket	PE	
Color	Black	
Overall Diameter (Nom.)	mm	12.40±0.60
Outer Jacket	Nylon	
Color	Black	
Overall Diameter (Nom.)	mm	13.40±0.60



Electrical Characteristics@20°C

Conductor DC resistance	$\leq 95(\Omega/\text{km})$
Resistance unbalance	$\leq 5\%$
Insulation Resistance	$\geq 5000\text{M}\Omega\cdot\text{km}$
Delay skew	$\leq 45\text{ns}/100\text{m}$
Characteristic impedance:	$100\pm 15\Omega$ @100MHz
Dielectric strength	DC1KV for 1min.no breakdown

Frequency MHz	ATT dB Max.	RL dB Min.	NEXT dB Min.	PSNEXT dB Min.	ACRF dB Min.	PSACRF dB Min.
1.00	3.0	19.1	65.0	62.0	64.2	61.2
4.00	3.5	21.0	64.1	61.8	52.1	49.1
8.00	5.0	21.0	59.4	57.0	46.1	43.1
10.00	5.5	21.0	57.8	55.5	44.2	41.2
16.00	7.0	20.0	54.6	52.2	40.1	37.1
20.00	7.8	19.5	53.1	50.7	38.2	35.2
25.00	8.8	19.0	51.5	49.1	36.2	33.2
31.25	9.8	18.5	50.0	47.5	34.3	31.3
62.50	14.0	16.0	45.1	42.7	28.3	25.3
100.00	18.0	14.0	41.8	39.3	24.2	21.2
200.00	26.1	11.0	36.9	34.3	18.2	15.2
250.00	29.5	10.0	35.3	32.7	16.2	13.2
300.00	32.7	9.2	34.0	31.4	14.6	11.6
400.00	38.4	8.0	29.9	27.1	12.1	9.1
500.00	43.8	8.0	26.7	23.8	10.2	7.2

Note: Category 6A Permanent link test extreme length 80m.

Shipping Information

Packing Method

Wooden Drum with proper protection

Delivery Length

500 per drum

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