

TECHNICAL DATA SHEET - NEXTRA FTP CAT5 MESS



Title	NEXTRA FTP CAT5 MESSINGER	Publish	23.Oct.15	
		Confirmer	Inspector	Producer

1.Application:This specification is applicable to the 4P ZFTP cable

2.Reference: According to the Client's specification



3.Construction :

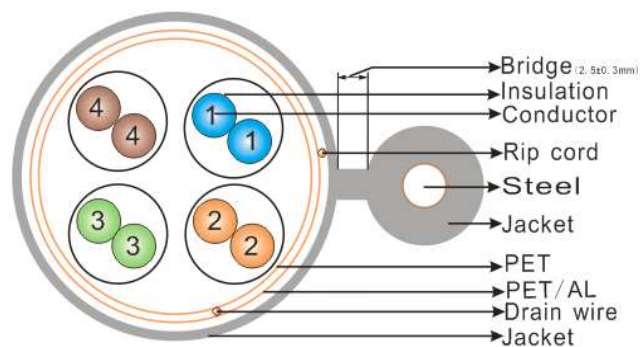
Item	Specification & Design	Diameter mm
Conductor	Material: Soft annealed bare copper wire Structure: 1/0.49	0.49±0.01
Insulation	Material: HDPE	0.98±0.05
	Color: White/blue、 Blue; White/orange、 Orange White/green、 Green; White/brown、 Brown	
	Nominal wall : 0.25mm	
Twisted	Lay length: ≤30mm	1,96
Cabling	Composing: 4 number of Twisted pair stranded together to form the main core. Detail: As described in part 5(structure drawing) Lay length: ≤120mm Drain wire: 1/0.5 CCS Binder: Transverse wrapped with a layer of PET/AL	4.5±0.5
Jacket	Messenger:Φ1.16 galvanized steel wire Material : PVC width of bridge: 2.5±0.3mm	6.0±0.5
	There is a ripcord under the sheath Nominal wall thickness of sheath: 0.53mm	2.4±0.3
Jacket legend	To be determined	
Weight	17,5 Kg/305m	
Maximum pulling tension	2000N	

4. Electrical Property (20°C)

Item	Parameter	Note
Conductor resistance	$\leq 10.5\Omega/100m$	
Insulation resistance	$\geq 5000M\Omega Km(DC500V \text{ Charge } 1 \text{ minute})$	
Voltage endurance	DC 1000V/min	
Mutual capacitance	$\leq 5.6nF/100m$	
Core-core resistance unbalance	$\leq 5.0\%$	

Item Freq	Attenuation $\leq dB/100m$	RL $\geq dB/100m$	NEXT $\geq dB/100m$	PSNEXT $\geq dB/100m$	ACR-F $\geq dB/100m$	PSACR-F $\geq dB/100m$	NOTE
1MHz	3,0	17,0	60,0	57,0	57,4	54,4	FLUKE TIA CAT5E Channel
4MHz	3,9	17,0	53,6	50,6	45,3	42,4	
10MHz	6,2	17,0	47,0	44,0	37,4	34,4	
16MHz	7,9	17,0	43,6	40,6	33,3	30,3	
20MHz	8,9	17,0	42,0	39,0	31,4	28,4	
25MHz	10,0	16,0	40,4	37,4	29,4	26,4	
31.25MHz	11,2	15,1	38,7	35,7	27,5	24,5	
62.5MHz	16,2	12,1	33,6	30,6	21,5	18,5	
100MHz	21,0	10,0	30,1	27,1	17,4	14,4	

5. Structure drawing :



6. Color of twisted pair (Arabic numerals in structure drawing stand for the twisted pair)

No.	Color of insulation	
	With Stripe	Without Stripe
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown