

SPECIFICATION

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Edition	Size	UTP CAT5e 24AWG X 4P (Solid)	Page
1.0			1/1

Marking

SC&T (UL) CMX OUTDOOR
75 UTP 4PR 24AWG ETL VERIFIED
TO TIA/EIA-568-B.2 CAT.5 XXXXX M

Description

Rating Temp : 75
Flame test : CMX
Application : MMUNICATION CABLE
Standard : UL444、UL1581、TIA/EIA 568B

Construction & Dimension :

Conductor : Material : Annealed Bare Copper
Size : 24 AWG X 4P
Construction : 1 / 0.51± 0.01 mm

Insulation : Material : HDPE
Minimum Average Thickness : 0.19 mm
Minimum Thickness at any point : 0.18 mm
Diameter : 0.92 ± 0.02 mm

Identification : 1. BLUExWHITE/ BLUE
2. ORANGExWHITE / ORANGE
3. GREENxWHITE/ GREEN
4. BROWNxWHITE/ BROWN

Core Assembly : Core Twist : 2 core twist
Filler : NA
Assembly Pair : 4 pair assembly

Taping : Mylar Foil : NA

Shielded : Al-Mylar Foil : 0.025 mm * 20 mm

Braid : Tinned copper : NA

Drain : Material : NA
Construction : NA

Jacket : Material : PE
Minimum Average Thickness : 0.7 mm
Minimum Thickness at any point : 0.65 mm
Diameter : 6.2 x 9.0 ± 0.2 mm

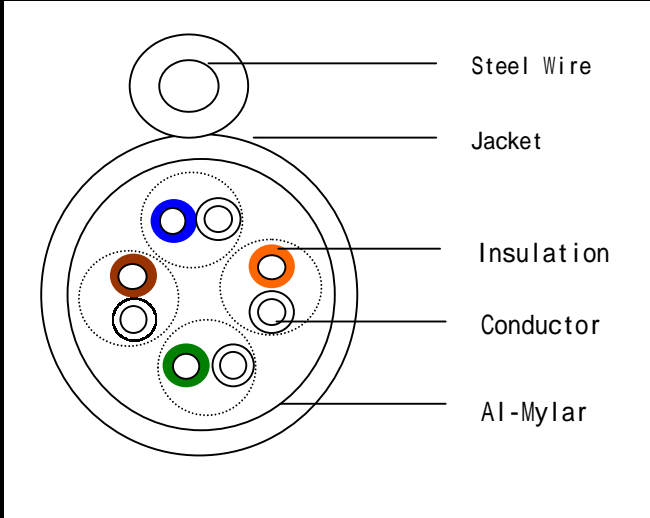
MESSENGER Material : GALVANIZED STEEL WIRE
Diameter : 1.30 ± 0.1 mm
Sheath Thick 0.70 ± 0.05 mm

Electrical & Physical Properties :

Frequency	SRL	Att.	NEXT
0.772	23	1.8	64.3
1.0	23	2	62.3
4.0	23	4.1	53.3
8.0	23	5.8	48.8
10.0	23	6.5	47.3
16.0	23	8.2	44.3
20.0	23	9.3	42.8
25.0	22	10.4	41.3
31.25	21	11.7	39.9
62.5	18	17	35.4
100.0	16	22	32.3

Impedance (0.772-100 MHz) : 85 ~ 115
DC. Resistance Unbalance : 5%
Pair-to-Ground Capacitance Unbalance : 330 Pf/100m Max
Conductor Resistance : 9.38 /100m 20 Max
Mutual Capacitance : 5.6 nF/m Max.
Spark Test : 2.5 KV

Cross Section



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Approval	Drawing