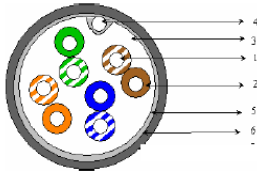


TECHNICAL DATA SHEET

Edition	1.0
Date	39/08

100Ω F/UTP 4 pairs Cable-CAT 5e
100 MHz- PVC / LSZH Sheath

EIA / TIA 568-B.2 Category 5e



CONSTRUCTION	
1 - CONDUCTOR	
Awg	24
Type:	Solid-Bare Copper, SCR Copper or Red Copper
2 - INSULATION	
Type:	PE solid
Colour Code:	
	Pair 1: blue / white-blue
	Pair 2: orange / white-orange
	Pair 3: green / white-green
	Pair 4: brown / white-brown
Diameter:	1.03 +/- 0.05 mm
3 - POLYESTER SYNTHETIC SEPARATION FOIL	
4 - DRAIN WIRE	
Type:	Solid Tinned Copper
5 - SHIELDING	
Type:	Aluminium / Polyester
Coverage:	110%
6 - OUTER JACKET	
Type:	PVC / LSZH
Colour:	TBD
External Diameter:	5.8 +/- 0.5 mm

TECHNICAL PARAMETER	
Characteristic Impedance(1~100 MHz)	100+/-15 Ω
Max. Linear Resistance.	≤94 Ω/Km
Velocity of Propagation	66%
Mutual Capacity (nom.)	50 pF/m
Fire Behaviour :	IEC 332-1
Min. Bending Radius:	8 x Diameter
Weight:	38Kg/Km
Operating Temperature	-20/+70°C

RoHS GUIDELINE			
We operate according to the following standards			
Control Item	Standard	Testing Method	Testing Equipment
Cadmium content (Cd)	<0.01%	EN1122	ICP-AES
Lead content (Pb)	<0.1%	EPA3050B	ICP-AES
Mercury content (Hg)	<0.1%	EPA3052	ICP-AES
Chromium (VI) content	<0.1%	EPA3060(UN-VIS)	ICP-AES
Polybrominated Biphenyls(PBB)	Forbidden	GC/MS	
Polybrominated Diphenyl Ether (PBDE)	Forbidden	GC/MC	

ELECTRICAL CHARACTERISTICS									
Standard Value(100m)	1 MHz	4 MHz	10 MHz	16 MHz	20 MHz	25 MHz	31.25 MHz	62.5 MHz	100 MHz
Insertion Loss	2.04	4.1	6.5	8.2	9.3	10.4	11.7	17	22
NEXT	65.3	56.3	50.3	47.2	45.8	44.3	42.9	38.4	35.3
PSNEXT	62.3	53.3	47.3	44.2	42.0	41.3	39.9	35.4	32.3
ELFEXT	63.8	51.8	43.8	39.7	37.8	35.8	33.9	27.9	23.8
PSELFEXT	60.8	48.8	40.8	36.7	34.8	32.8	30.9	24.9	20.8
Return Loss	20.0	23.0	25.0	25.0	25.0	24.3	23.6	21.5	20.1