



<b>Application :</b>	High Speed Horizontal Cabling (250MHZ) <ul style="list-style-type: none"> <li>•10/100/1000 Bas-T</li> <li>•100 Mbps Fast Ethernet : 155 / 622 Mbps</li> <li>ATM : Gigabite Ethernet</li> </ul>
<b>Construction :</b>	Solid Bare Copper, HDPE insulated, Cross-web Filter, PVC {ROHS}, LSZH or HDPE outersheath
<b>Insulation Colour :</b>	<ul style="list-style-type: none"> <li>• Blue &amp; White / Blue</li> <li>• Orange &amp; White / Orange</li> <li>• Green &amp; White / Green</li> <li>• Brown &amp; White / Brown</li> </ul>
<b>Sheath Colour :</b>	Grey or Blue (PVC ROHS), Orange (LSZH), Black (HDPE) of as per order
<b>Specification :</b>	ANSI / FIA / TIA - 568C, 2 : ISO / IEC-11801 : UL 444
<b>Flame Test :</b>	UL 1581 (CMX) : UL 1685 (CM) : UL 1666 (CMR)
<b>LSZH Test :</b>	IEC 60754, IEC 61034

CONDUCTOR	PAIR	NOMINAL OUTER	STANDARD LENGTH	APPROX. WEIGHT	PACKAGING
		DIAMETER	(m)	(Kg/305m)	
Solid Bare Copper (24 AWG) Solid Bare Copper (23 AWG)	4	(mm)	305	12	Reel In Box
		6.2		12.2	
		6.3			

### ELECTRICAL PROPERTIES @ 20°C

Conductor Resistance	≤9.38 Ω / 100m
Resistance Unbalance	≤ 5%
Mutual Capacitance	≤ 5.6nF / 100m
Capacitance Unbalance	≤ 30pF / 100m
Characteristics Impedance	100± 15 Ω

### Electrical Data@ 20°C

Frequency	ATTENUATION MAX	NEXT Min	PSNEXT Min	ELEFEXT Min	PSNEXT Min	RL Min	DELAY Max	SKEW Max
(MHZ)	(dB/100m)	(dB)	(dB)	(dB/100)	(dB/100)	(dB)	(nS/100m)	(nS/100m)
0.772	1.8	76.0	74.0	70.0	67.0	-	-	-
1	2.0	74.3	72.3	67.8	64.8	20.0	570	570
4	3.8	65.3	63.3	55.8	52.8	23.0	-	-
8	5.3	60.8	58.8	49.7	46.7	24.5	-	-
10	6.0	59.3	57.3	47.8	44.8	25.0	545	545
16	7.6	56.2	54.2	41.8	40.7	25.0	-	-
20	8.5	54.8	52.8	39.8	38.8	25.0	-	-
25	9.5	53.3	51.3	37.9	36.8	24.3	-	-
31.25	10.7	51.9	49.9	31.9	34.9	23.6	-	-
62.5	15.4	47.4	45.4	45.4	28.9	21.5	-	-
100	19.8	44.3	42.3	27.8	24.8	20.1	-	-
200	29.0	39.8	37.8	21.8	18.8	18.0	-	-
250	32.8	38.3	36.3	19.8	16.8	17.3	536	536

LAN CABLE