

**STRUCTURE**

- 23AWG solid bare copper conductor
- PE insulation
- 4pair, FR PVC/LSZH jacket
- Rosh complaint
- Frequency: 250Mhz
- Transmission: 155Mbps

**INDUSTRIAL STANDARD**

- International ISO/IEC1180 USA ANSI/ANATEL
- TIA/EIA-568b.2-2001
- UI CE approved

**APPLICATIONS**

- ISDN
- 10Base-T(IEEE-802.3)
- 100Base-T(IEEE-802.3u)
- ATM 155Mbps
- 100VG-anylan(IEEE-802.12)
- Token ring(IEEE-802.5)
- TP-PDM(ANSI x3t9.5)

**PRODUCT PERFORMANCE**

- Linear resistance: Max.186.5 $\omega$ /km
- Mutual capacity(Nom.):Max 5200pf/100m
- Unbalance capacity Max (p/p at 1 kHz):1500pf/1km
- Characteristic impedance: 100 $\pm$ 15  $\omega$
- Velocity of propagation (f>1mhz):72% of c

## **ELECTRICAL PERFORMANCE**

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB)	PS ELFEXT (DB)
1	20.0	2.00	74.3	72.3	67.8	64.8
4	23.0	3.80	65.3	63.3	55.8	52.8
10	25.0	5.30	59.3	57.3	47.8	44.8
20	25.0	8.50	47.2	44.2	39.7	36.7
62.5	21.5	15.40	47.4	45.4	42.0	29.1
100	20.1	19.80	44.3	42.3	27.8	25.0
150	18.9	24.70	41.7	39.7	24.3	21.3
200	18.0	29.00	39.8	37.8	21.8	19.0
250	17.3	32.80	38.3	36.3	20.4	17.0