



REF NO. 77036

DATE: 21/08/01

**DESCRIPTION :** 4 X 2/0.52MM

**CONFORMS TO:** CATEGORY 5 Enhanced for Out Door Use.

**MECHANICAL DATA**

- 1.1. Inner Conductor: 0.52mm Plain Copper
- 1.2. Insulation: 0.92mm Solid Polyethylene
- 1.3. Screen(s): N/A
- 1.4. Construction: 4 Twisted pairs cabled together and warped with non-woven Tape.  
Colour code:  
Pair 1. WE/BE - BE  
Pair 2. WE/OE - OE  
Pair 3. WE/GN - GN  
Pair 4. WE/BN - BN
- 1.5. Jacket: Polyethylene
- 1.6. Overall Diameter: 5.50±0.20 mm
- 1.7. Weight: 33 kg/km kg/km
- 1.8. Marking:
- 1.9. Other details: Temp Range -60 to + 80°C
- 1.10 Drawing Reference:



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**ELECTRICAL DATA**

2.1	Impedance:	100 ± 15	ohms
2.2.	Capacitance(s):	46	pF/m
2.3.	Resistance:		
2.3.1.:	Inner Conductor(s):	94	ohms/km
2.4.	Attenuation:	f (MHz)	db/100m
		1.000	2.00
		4.000	3.90
		8.000	5.50
		10.000	6.10
		16.000	7.80
		20.000	8.80
		31.250	11.10
		62.500	16.00
		100.00	20.70
		120.00	22.90
		125.00	23.40
		130.00	23.90
		155.00	26.4
		160.00	26.9
2.5.	Velocity Ratio:	66%	
2.6.	Other Details:	F(MHz)	Power Sum NEXT (dB) NEXT (dB)
		1.00	68.0 70.0
		4.00	59.0 61.0
		8.00	54.5 56.5
		10.00	53.0 55.0
		16.00	49.9 51.9
		20.00	48.5 50.5
		31.25	45.6 47.6
		62.50	41.1 43.1
		100.00	38.0 40.0
		120.00	36.8 38.8
		125.00	36.5 38.5
		130.00	36.3 38.3
		155.00	35.1 37.1
		160.00	34.9 36.9