



Selsor Part Numbers – J5601, J5604, J5602, J5605, J5603, J5606

Applications

Twisted pair cable suitable for Local Area Networks, Data Centre and Video Applications delivering 1000base-t Gigabit Ethernet, 100BASE-TX Fast Ethernet, 622 Mbps ATM, 155 Mbps ATM and Composite Video.

Standards

ISO 11801, ANSI/TIA/EIA-568-C2, IEC 60332-1, IEC 61034 (LSZH only), IEC 60754-1 & 2 (LSZH only), RoHS directives

Warranty

25 year installed Selsor system warranty on application.

Technical Overview

<p>Family LAN, Data Centre and Video</p>	<p>2. Insulation Solid Polyethylene Pair 1: WHITE-Blue/Blue Pair 2: WHITE-Orange/Orange Pair 3: WHITE-Green/Green Pair 4: WHITE-Brown/Brown</p>	<p>6. Ripcord Yes</p>
<p>Operating Temperature -20°C to +70 °C</p>	<p>3. Cruciform Yes</p>	<p>7. Sheath Material Polyvinyl Chloride (PVC) or Low Smoke Zero Halogen (LSZH)</p>
<p>Design 1. Conductor 4 X Twisted Pairs, 23 AWG Solid Plain Copper Wire</p>	<p>4. Screen FTP Only - Aluminium/Polyester 100% Coverage</p>	<p>Sheath Colour Grey as standard</p>
	<p>5. Drain Wire FTP Only - 24 AWG Tinned Copper</p>	<p>Standard Put Up Length (m) 305 metres</p>
		<p>Packaging Details Easy Pull Box as standard</p>

Physical Characteristics

Selsor Part Number	Type	Sheath Material	Nominal Cable Weight (kg/km)	Max. Pulling Tension (Newton)	Min. Installed Bend Radius (mm)	Nom. Overall Diameter (mm)
J5601	UTP	PVC	40.5	160	65	6.1
J5604	FTP	PVC	56.0	200	75	7.2
J5602	UTP	LSZH	40.5	160	65	6.1
J5605	FTP	LSZH	56.0	200	75	7.2
J5603	UTP	Plenum	40.5	160	65	6.1
J5606	FTP	Plenum	56.0	200	75	7.2

Electrical Characteristics

Conductor Resistance (Ohm/100m)	Mutual Capacitance (pF/m)	Impedance (Ohm)	Velocity of Propagation (%)	Max. Delay Skew (ns/100m)	Max. Operating Voltage (Volts RMS)
9.38	56	100 ± 15	67	45	300

Typical Performance Test Data

Frequency (MHz)	Return Loss (dB/100m)	Max. Attenuation (dB/100m)	Min. NEXT (dB)	Max. Time Delay (ns/100m)	Min. PSNEXT (dB)	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	20	2	74.3	570	72.3	67.8	64.8
4	23	3.8	65.3	552	63.3	55.8	52.8
8	24.5	5.3	60.8	546.73	58.8	49.7	46.7
10	25	6	59.3	545.38	57.3	47.8	44.8
16	25	7.6	56.2	543	54.2	43.7	40.7
20	25	8.5	54.8	542.05	52.8	41.8	38.8
25	24.3	9.5	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.7	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.4	47.4	538.55	45.4	31.9	28.9
100	20.1	19.8	44.3	537.8	42.3	27.8	24.8
200	18	29	39.8	536.54	37.8	21.8	18.8
250	17.3	32.8	38.3	536.27	36.3	19.8	16.8