



Application Suitable for measurement & control in the field of electronics. These cables are also used for data transmission in computers. Suitable for fixed installation in dry and humid premises.

Special Application Suitable for maxi-termi point connections.

Cable Types Individual and overall screened cables 'F' Type
Overall screened cables 'G' Type

CONSTRUCTION		TECHNICAL DATA	
Conductor	Stranded Plain/Tinned Copper as per VDE 0815	Max. Operating Temperature	+70°C
Insulation	PVC Type Y13 to VDE 0207 Part 4 Insulated core diameter in between 1.40 to 1.65 mm for maxi termi connections	Operating Voltage	225 Volts (Peak)
Pair Colours	Pair twisting lay 50 mm and colour coded as First Pair = Blue + Red Second Pair = Grey + Yellow Third Pair = Green + Brown Fourth Pair = White + Black Cables more than 4 pair are identified with coloured bands as per VDE 0816	Max. Conductor Loop Resistance at 20°C (Ohms/Km)	73.4 for Plain Copper 80.2 for Tinned Copper
Pair Screening (for individual & overall screened cables)	Aluminium Mylar Tape of min. 0.028 mm thickness with 100% coverage and minimum 20% overlap	Min. Insulation Resistance at 20°C	100 M.Ohm/Km
Unit formation (for cables above 4 Pair)	Four pairs bundled into unit and open helically lapped with PP Binder for the purpose of binding only	Max. Mutual Capacitance	For 'F' Type Cables =120 nF/Km For 'G' Type Cables =100 nF/Km
Cable Assembly	Required number of pairs or units are stranded to form a circular cable core. Non-hygroscopic fillers may be used if required and cable thus formed shall be overall taped with polyester tape	Max. Characteristic Impedance at 1 KHz	For 'F' Type Cables = 320 Ohms For 'G' Type Cables = 340 Ohms
Overall Cable Screening	Aluminium Mylar Tape of min. 0.055 mm thickness with 100% coverage and min. 20% overlap	Max. Attenuation at 1 KHz	1.2 db/Km

Drain Wire for individual pair screening & overall cable screening as applicable	A 0.5 sq.mm stranded tinned copper drain wire shall be laid parallel touching the Aluminium surface of Al. Mylar Tape	Dielectric Strength	Core to Core = 2 KV RMS for 1 minute Core to Screen = 0.5 KV RMS for 1 minute
Inner Sheath (only for Armoured Cables)	Extruded PVC Type YM1 of VDE 0207 Part 5 with min. thickness of 0.3mm. Colour - Black	FRLS PROPERTIES	
Armouring (only for Armoured Cables)	Galvanized Steel Round Wire or Flat Strip as per IS 1554 (I)	Min. Oxygen Index when tested as per ASTM D 2863	29%
Outer Sheath	Extruded PVC Type YM1 of VDE 0207 Part 5 with FRLS properties. Min. thickness 1.8 mm. Colour - Sky Blue	Min. Temperature Index when tested as per ASTM D 2863	250°C
		Max. Smoke Density Rating when tested as per ASTM D 2843	60%
		Max. Acid Gas Emission when tested as per IEC 754 (I)	20%
		Flammability Tests	Shall meet the requirements of IEC 332 (I), IEEE 383, S.S. 4241475 CLF ₃

Note Fire Retardant/Zero Halogen Flame Retardant compound for sheathing can also be offered on customer's request.

NOTE:-

☞ The given picture of the product may differ to its actual in construction/colour.



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