



Construction

Conductor	: Electrolytic Solid Copper Wire, Class 1, 23 AWG
Insulation	: EN 50290-2-23 PE Compaund
Insulation Colour	: 1.Pair : Blue / Blue - White 2.Pair : Orange / Orange - White 3.Pair : Green / Green - White 4.Pair : Brown / Brown - White
Stranding	: Four Twisted Pairs Stranded, Arround a Cross Mamber
Outer Sheath	: EN 50290-2-27 HFFR Compaund
Outer Sheath Colour	: RAL 7001 Grey

Applications

These cables are used for connections in data communications .
Designed for digital and analog signal carriages, these cables support
250 mbit/s systems. This type of cables is halogen-free, has flame-retarder and
low smoke density

Technical Data

Conductor Resistance	Insulation Resistance	Characteristic Impedance	Velocity Of Propagation	Capacitance	Operating Voltage	Test Voltage	Bending Radius	Temperature Range
Ω Km	M Ω Km	Ω	%	pF/mt	V	V		°C
90	5000	100 $\pm$ 5	67	52	250V	1500V	8XD	-20°C ...+60°C

Fire Performance Tests

Electrical Properties

Flame Retardant	Smoke Density Test	Corrosive Gas Test	Halogen Free Test	Flame Propagation
IEC 60332-1-2 VDE 0482-332-1-2 EN 60332-1-2	IEC 61034-2 VDE 0482-1034-2 EN 61034-2	IEC 60754-2 VDE 0482-267-2-3 EN 50267-2-3	IEC 60754-1 VDE 0482-267-2-1 EN 50267-2-1	IEC 60332-3-24 VDE 0482-332-3-24 EN 60332-3-24

Products Code	Cross Section	Outer Diameter (mm*)	Copper Weight (kg/km*)	Total Weight (kg/km*)
3501220051	4x2x23 AWG	6,60	19	46

Frequency MHz	Attenuation dB / 100m	Near-End Crosstalk (Next) dB (min)	Return Loss db (max)
1	2,10	74,30	20
4	4,30	65,30	23
10	6,60	59,30	25
16	8,20	56,30	25
20	9,20	54,80	25
31,25	11,80	51,90	23,60
62,50	17,10	47,40	21,50
100	22	44,30	20,10
250	36	38,30	17,30