

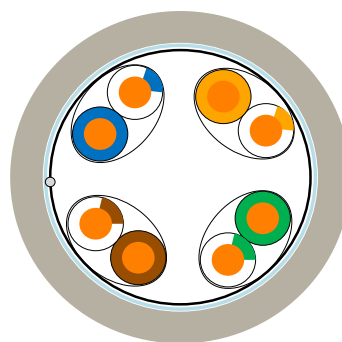
Data Transmission Cables

Application

These cables are used for connections in data communications. Designed for digital and analog signal carriages, these cables support 155 mbit/s systems. This type of cables is halogen-free, has flame-retarder and low smoke density.

Cable Design

Conductor	Electrolytic Stranded Annealed Copper Wire, 26/7 AWG
Insulation	EN 50290-2-23 PE Compaund (1,00mm)
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 EN
Outer Sheath	50290-2-27 HFFR Compaund
Outer Sheath Colour	RAL 7001 Grey
Operating Voltage [V]	250 V
Test Voltage [V]	1200 V
Bending Radius [mm]	8XD
Temperature Range	-20°C ...+60°C



Tests

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

Technical Characteristics

Products Code	Cross Section	Characteritic Impedance	Conductor Resistance	Insulation Resistance	Capacitance	Velocity Of Propagation	Overall Diameter	Approx. Cable Weight
--	AWG	Ω	Ω/km	$M\Omega \times km$	pF/m	%	mm	kg/km
3501220291	4x2x26/7	100 $\pm$ 5	148	5000	52	67	5,10	28,5

Attenuation (20°C)

Frequency (MHz)							
1	4	10	16	20	31,25	62,5	100
Attenuation (dB/100m)							
3,3	6,4	9,6	12,3	13,6	17,1	24,8	32