

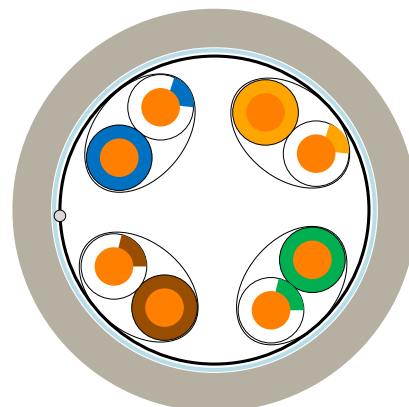
Data Transmission Cables

Application

These cables are used for connections in data communications. Designed for digital and analog signal carriages these cables support 155 mbit/s systems.

Cable Design

Conductor	Electrolytic Solid Copper Wire, Class 1, 24 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
Seperator	PES Tape
Screen	AL-PES Tape and Solid Tinned Copper Drain Wire
Sheath	EN 50290-2-24 PE Compaund
Sheath Colour	RAL 9005 Black
Operating Voltage [V]	250 V
Test Voltage [V]	1500 V
Bending Radius [mm]	8XD
Temperature Range	-20°C~+60°C



Tests

Flame Retardant	IEC 60332-1-2; VDE 0482-332-1-2; EN 60332-1-2
-----------------	---

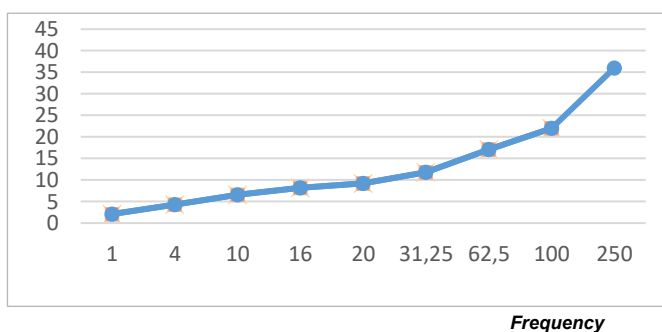
Technical Characterstics

Products Code	Characteristic Impedance	Conductor Resistance	Insulation Resistance	Capacity	Velocity Of Propagation	Overall Diameter	Approx. Cable Weight
		Ω/km	MΩxkm	nF/km	%	mm	kg/km
17-3502210025	100±5	94	5000	52	67	5,25	30

Attenuation

Frequency	Attenuation	Near-End Crosstalk (Next)	Return Loss
MHz	dB/100m	dB min.	dB max.
1	2,1	62,3	20
4	4,3	53,3	23
10	6,6	47,3	25
16	8,2	44,2	25
20	9,2	42,8	25
31	11,8	39,9	23,6
62	17,1	35,4	21,5
100	22	32,3	20,1

Attenuation



Frequency