



Application

· Used in ADSL, VDSL applications at telecommunication networks.

Cable Construction

- 1 - Conductor : Electrolytic solid copper conductor.
- 2 - Insulation : Solid polyethylene insulation
- 3 - Stranding : Pair stranding, pairs are stranded into groups.
- 4 - Wrapping : Polyester tape
- 5 - Screen : Tinned copper earthing wire, Al/PET tape, tinned copper braiding
- 6 - Outer Jacket : UV resistant polyethylene outer jacket. RAL 9004 (Black)

Technical Characteristics

Conductor Resistance Ω/km	Insulation Resistance $\text{M}\Omega \times \text{km}$ (500 V DC)	Mutual Capacitance nF/km	Capacitance Unbalance	Dielectric Strength V	Operating Voltage V	Test Voltage V	Capacitance Unbalance $\text{pF}/500\text{m}$	Characteristic Impedance Ω
146	2000	56	%2	1000	250	1200	200	100±10

Mechanical Characteristics

Bending Radius	Temperature Range Operating
10xD mm	-55°C~+70°C

Electrical Properties

Frequency MHz	Insertion Loss $\text{dB}/100\text{m}$ (Max.)	Near-end Crosstalk (NEXT) Loss dB (Min.)	Propagation Delay 5 n/m
1	≤30	≥55	≤6
10	≤100	≥45	≤5.7
16	≤110	≥40	-
20	≤120	≥38	-
30	≤160	≥35	-

JE-2Y(St)C2Y-xDSL 26 AWG

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.421.2.1.1.0040.0.0002	2	0.4	4.1	11.4	21	100/500/1000
3.421.2.1.1.0040.0.0004	4	0.4	5.4	19	34	100/500/1000
3.421.2.1.1.0040.0.0008	8	0.4	7.1	31.5	55	100/500/1000
3.421.2.1.1.0040.0.0012	12	0.4	9.6	45.8	81	100/500/1000
3.421.2.1.1.0040.0.0016	16	0.4	11	57.3	100	100/500/1000
3.421.2.1.1.0040.0.0020	20	0.4	12	69.4	120	100/500/1000
3.421.2.1.1.0040.0.0024	24	0.4	13	80.9	142	100/500/1000
3.421.2.1.1.0040.0.0032	32	0.4	14	101.2	171	100/500/1000
3.421.2.1.1.0040.0.0040	40	0.4	15	128	211	100/500/1000
3.421.2.1.1.0040.0.0048	48	0.4	17	150.8	247	100/500/1000
3.421.2.1.1.0040.0.0056	56	0.4	17	173.8	282	100/500/1000
3.421.2.1.1.0040.0.0064	64	0.4	19	195.1	317	100/500/1000
3.421.2.1.1.0040.0.0096	96	0.4	22	286.6	455	100/500/1000

JE-2Y(St)C2Y-xDSL 24 AWG

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.421.2.1.1.0051.0.0002	2	0.51	4.5	15.6	27	100/500/1000
3.421.2.1.1.0051.0.0004	4	0.51	6	25.2	43	100/500/1000
3.421.2.1.1.0051.0.0008	8	0.51	8	44.4	73	100/500/1000
3.421.2.1.1.0051.0.0012	12	0.51	11	64.9	105	100/500/1000
3.421.2.1.1.0051.0.0016	16	0.51	12	82.8	133	100/500/1000
3.421.2.1.1.0051.0.0020	20	0.51	14	100.4	161	100/500/1000
3.421.2.1.1.0051.0.0024	24	0.51	15	122.9	195	100/500/1000
3.421.2.1.1.0051.0.0032	32	0.51	16	156.7	240	100/500/1000
3.421.2.1.1.0051.0.0040	40	0.51	17	192.1	291	100/500/1000
3.421.2.1.1.0051.0.0048	48	0.51	19	225.2	339	100/500/1000
3.421.2.1.1.0051.0.0056	56	0.51	20	257.6	385	100/500/1000
3.421.2.1.1.0051.0.0064	64	0.51	21	297.7	441	100/500/1000
3.421.2.1.1.0051.0.0096	96	0.51	25	430.4	630	100/500/1000