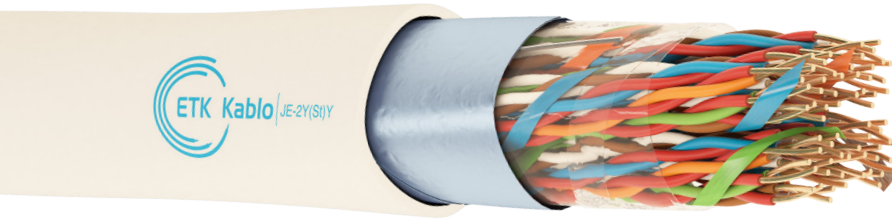


Data/LAN Cables

JE-2Y(St)Y xDSL

RoHS REACH 



Application

- Used in ADSL, VDSL applications at telecommunication networks.
- In places where human life, valuable materials and equipments need to be protected.

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
- 6 - Outer Jacket : EN 50290-2-22. UV resistant PVC outer jacket. RAL 7035 (Grey)

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	-40°C~+70°C

Standards

Flame Retardancy Test
IEC 60332-1-2. VDE 0482-332-1-2. EN 60332-1-2

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)Y 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)
3.422.2.1.2.0040.0.0002	2	0.4	3.9	6.2	20	100/500/1000
3.422.2.1.2.0040.0.0004	4	0.4	5.2	11.1	32	100/500/1000
3.422.2.1.2.0040.0.0008	8	0.4	6.9	21	53	100/500/1000
3.422.2.1.2.0040.0.0012	12	0.4	9.4	30.8	78	100/500/1000
3.422.2.1.2.0040.0.0016	16	0.4	11	40.7	98	100/500/1000
3.422.2.1.2.0040.0.0020	20	0.4	12	50.6	118	100/500/1000
3.422.2.1.2.0040.0.0024	24	0.4	13	60.4	141	100/500/1000
3.422.2.1.2.0040.0.0032	32	0.4	14	80.1	173	100/500/1000
3.422.2.1.2.0040.0.0040	40	0.4	15	99.9	210	100/500/1000
3.422.2.1.2.0040.0.0048	48	0.4	16	119.6	246	100/500/1000
3.422.2.1.2.0040.0.0056	56	0.4	17	139.3	280	100/500/1000
3.422.2.1.2.0040.0.0064	64	0.4	18	159	318	100/500/1000
3.422.2.1.2.0040.0.0096	96	0.4	22	237.9	456	100/500/1000

JE-2Y(St)Y 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)
3.422.2.1.2.0051.0.0002	2	0.51	4.3	9.1	25	100/500/1000
3.422.2.1.2.0051.0.0004	4	0.51	5.8	16.9	41	100/500/1000
3.422.2.1.2.0051.0.0008	8	0.51	7.8	32.5	71	100/500/1000
3.422.2.1.2.0051.0.0012	12	0.51	11	48.2	102	100/500/1000
3.422.2.1.2.0051.0.0016	16	0.51	12	63.8	132	100/500/1000
3.422.2.1.2.0051.0.0020	20	0.51	13	79.4	160	100/500/1000
3.422.2.1.2.0051.0.0024	24	0.51	15	95.1	191	100/500/1000
3.422.2.1.2.0051.0.0032	32	0.51	15	126.3	237	100/500/1000
3.422.2.1.2.0051.0.0040	40	0.51	17	157.6	288	100/500/1000
3.422.2.1.2.0051.0.0048	48	0.51	18	188.9	339	100/500/1000
3.422.2.1.2.0051.0.0056	56	0.51	19	220.1	387	100/500/1000
3.422.2.1.2.0051.0.0064	64	0.51	21	251.4	439	100/500/1000
3.422.2.1.2.0051.0.0096	96	0.51	25	376.5	634	100/500/1000