



## 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, tinned copper braiding
- 6 - Outer Jacket : EN 50290-2-27. UV resistant halogen-free outer jacket. RAL 7035 (Grey)

## Technical Characteristics

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

## Mechanical Characteristics

Bending Radius	Temperature Range Operating
10xD mm	-40°C~+70°C

## Standards

Smoke Density Test	Corrosive Gas Test	Halogen-free Test	Flame Retardancy Test
IEC 61034-2. VDE 0482-1034-2. EN 61034-2	IEC 60754-2. VDE 0482-267-2-3. EN 50267-2-3	IEC60754-1. VDE 0482-267-2-1. EN 50267-2-1	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)CH 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)
3.421.2.1.3.0040.0.0002	2	0.4	4.1	11.4	25	100/500/1000
3.421.2.1.3.0040.0.0004	4	0.4	5.4	19	39	100/500/1000
3.421.2.1.3.0040.0.0008	8	0.4	7.1	31.5	63	100/500/1000
3.421.2.1.3.0040.0.0012	12	0.4	9.6	45.8	91	100/500/1000
3.421.2.1.3.0040.0.0016	16	0.4	11	57.3	112	100/500/1000
3.421.2.1.3.0040.0.0020	20	0.4	12	69.4	135	100/500/1000
3.421.2.1.3.0040.0.0024	24	0.4	13	80.9	159	100/500/1000
3.421.2.1.3.0040.0.0032	32	0.4	14	101.2	191	100/500/1000
3.421.2.1.3.0040.0.0040	40	0.4	15	128	234	100/500/1000
3.421.2.1.3.0040.0.0048	48	0.4	17	150.8	273	100/500/1000
3.421.2.1.3.0040.0.0056	56	0.4	17	173.8	310	100/500/1000
3.421.2.1.3.0040.0.0064	64	0.4	19	195.1	349	100/500/1000
3.421.2.1.3.0040.0.0096	96	0.4	22	286.6	498	100/500/1000

## JE-2Y(St)CH 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)
3.421.2.1.3.0051.0.0002	2	0.51	4.5	15.6	31	100/500/1000
3.421.2.1.3.0051.0.0004	4	0.51	6	25.2	49	100/500/1000
3.421.2.1.3.0051.0.0008	8	0.51	8	44.4	82	100/500/1000
3.421.2.1.3.0051.0.0012	12	0.51	11	64.9	117	100/500/1000
3.421.2.1.3.0051.0.0016	16	0.51	12	82.8	148	100/500/1000
3.421.2.1.3.0051.0.0020	20	0.51	14	100.4	178	100/500/1000
3.421.2.1.3.0051.0.0024	24	0.51	15	122.9	216	100/500/1000
3.421.2.1.3.0051.0.0032	32	0.51	16	156.7	263	100/500/1000
3.421.2.1.3.0051.0.0040	40	0.51	17	192.1	318	100/500/1000
3.421.2.1.3.0051.0.0048	48	0.51	19	225.2	371	100/500/1000
3.421.2.1.3.0051.0.0056	56	0.51	20	257.6	419	100/500/1000
3.421.2.1.3.0051.0.0064	64	0.51	21	297.7	479	100/500/1000
3.421.2.1.3.0051.0.0096	96	0.51	25	430.4	680	100/500/1000