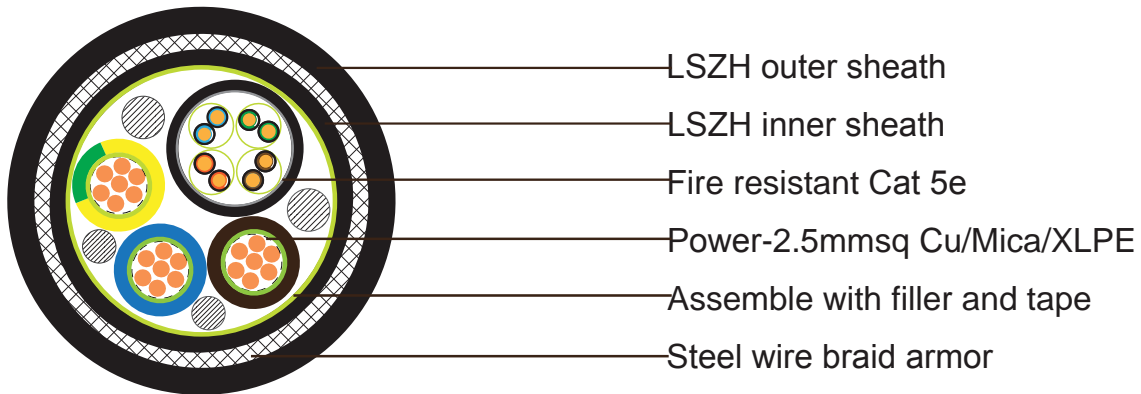




STP Cat5e+3x2.5 Power Cable SWB LSZH Sheathed Fire Resistant Composite Cable

Construction:



STP CAT5E 4x2x24AWG

Conductor	Solid copper conductor
Insulation	Polyethylene+ FR Silicone Rubber
Shield & Fire Barrier	Individual Al-foil shield , add mica tape outside
Sheath(optional)	FRLSZH sheath. Nominal outer diameter 10.5+/-1.5mm
Sheath Color	Black

3x2.5mm² Power Cable

Conductor	2.5mm ² Stranded tinned copper wire
Fire Barrier	Mica tape
Insulation	XLPE. Nominal outer diameter 5.0mm
Insultion Color	Brown, Blue, Green/Yellow



Composite Cables

Element Assembly

Filler	PE or PP material
Fire Barrier	Fire barrier tape(optional)
Inner Sheath	Black FRLSZH, ID(inner sheath diameter) min. 22.0mm
Aarmor	Galvanized steel wire braid, coverage 85%
Outer Sheath	FRLSZH, Nom. OD (overall diameter) min.26.0mm
Sheath Color& property	Black,UV resistance, hydrocarbon resistance and water tightness

Electrical and Physical Properties @20°C:

Cat5e

FREQ (MHz)	NEXT(dB/100m) Minimum Value/Typical Value/ Standard Value	IL (dB/100m)	SRL (dB/100m) Minimum Value/Typical Value/ Standard Value
1	64.0/71.0/62.0	2.0	24.5/26.0/23.0
4	55.0/62.0/53.0	4.0	24.5/26.0/23.0
8	49.5/57.0/48.0	5.7	24.5/26.0/23.0
10	49.0/56.0/47.0	6.4	24.5/26.0/23.0
16	44.9/52.0/44.0	8.2	24.5/26.0/23.0
20	42.5/48.0/42.0	9.2	24.5/26.0/23.0
25	42.0/48.0/41.0	10.3	24.5/26.0/23.0
31.25	40.6/48.0/39.0	11.6	22.5/24.0/21.0
62.5	36.1/43.0/35.0	16.9	19.5/22.0/18.0
100	34.0/40.0/32.0	21.8	17.5/20.0/16.0

Power Cable 2.5mmsq

Electrical Resistance: 7.9Ohm/km

Insulation Resistance: ≥1000 MOhm \times km

Voltage: 300/500V or 0.6/1KV optional

Operating Temperature: -30°C/+80°C

Characteristic Impedance	100 Ohm \pm 15%
Nominal Velocity of Propagation (NVP)	69%
Max. Dc Resistance	9.38 Ohm/100m
Max. Resistance Unbalance	5%
Max. Mutual Capacitance:	5.6 nF/100m
Maximum Capacitance Unbalance	330 pF/100m
Max. Propagation Delay Skew	30 ns/100m
Max. Propagation Delay	536 ns/100m@100 mhz
Max. Pulling Load	80N

Fire Performance:

Low Smoke Capacity: IEC61034-1/2

Halogen Free: IEC60754-1/2

Flame Propagation: IEC60332-3-24

Fire Resistant: IEC60331-21

Mud Resistant & other properties could be met upon request