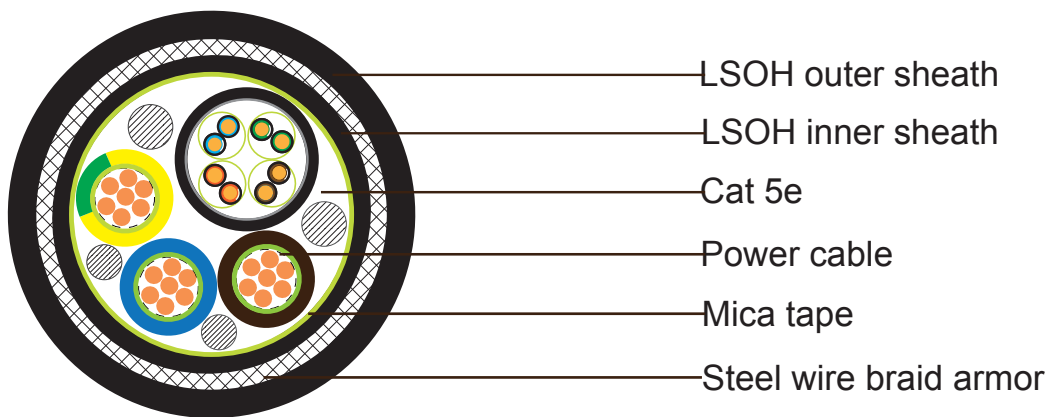




Cat5e+3x2.5 Power Cable SWB LSHZ Sheathed Fire Resistant & Mud Resistant Composite Cable

Construction:



CAT5E 4x2x24AWG

Conductor	Solid copper conductor
Insulation	Polyethylene/Silicone Rubber
Fire Barrier	Mica tape
Sheath	FRLSZH sheath. Nominal outer diameter 9.5mm
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
Insulation Color	Blue, Brown and Green/Yellow



Composite Cables

Element Assembly

Filler	PE or PP material
Fire Barrier	Mica tape
Inner Sheath	Black FRLSZH, thickness 1.0mm
Aarmor	Galvanized steel wire braid, coverage 95%
Outer Sheath	FRLSZH, thickness 1.6mm, nominal outer diameter 23.0±1.5mm
Sheath Color	Black

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

Electrical Resistance: 12.1Ohm/km

Insulation Resistance: ≥5500 MOhm×km

Element Assembly:

Min Bending Radius: 420mm

Operating Temperature: -30°C/+80°C

Characteristic Impedance	100 Ohm±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

Fire Resistant: IEC60331-21

Mud Resistant & other properties could be met upon request