

Copper Cabling

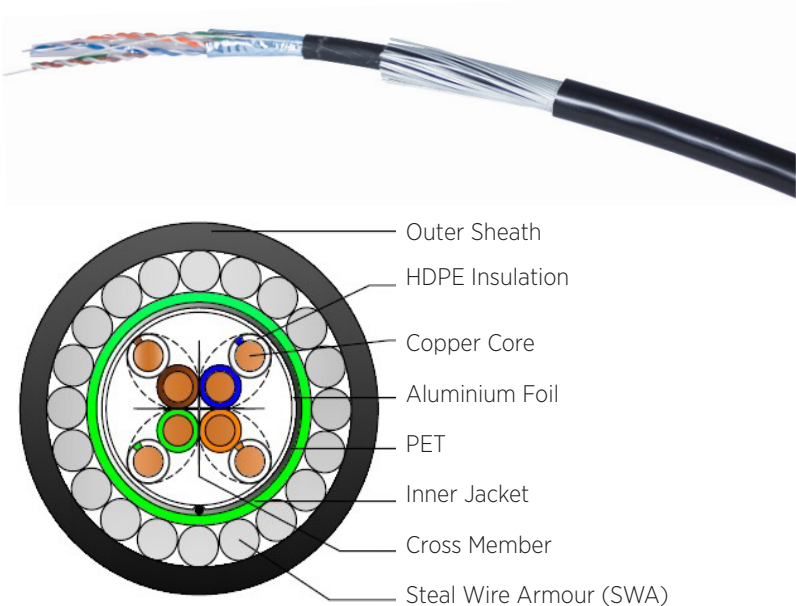
Cat 6 FTP SWA Cable



SWA Cat 6 Cable (FTP) is designed for high speed LANs including external application that requires an Armoured Cat 6 Cable for Ethernet connectivity. When used with Connectix Category 6 panels and modules it gives the exceptional performance required for transmission over all four twisted pairs. The Cat 6 SWA Armoured cable is ISO compliant, TIA compliant and Fire Standard Compliant (IEC 60332-1). The cable is supplied in 1000m drums which can also be cut to length to suit your requirements. Manufactured with standard black PE outer sheath, the cable has excellent chemical, abrasion and moisture resistance.

Specifications

Conductor	Material : Bare Copper
	AWG: 23
	Nom.O.D. 0.57 ± 0.01 mm
Insulation	Material: HDPE
	Diameter: 1.04±0.08 mm x2 C twist
	Colour: White/Blue, White/Orange,
	White/Green, White/Brown
Filler	Cross Member
PET	YES
Drain wire	1/0.5 mm tinned copper
Shielded	PET/Aluminium Foil
Rip Cord	Yes
Inner Jacket	External O.D. 7.5(± 0.15)mm
	Surface: Clean, Smooth
	Material: LSZH
	Colour: Black
Armour	Steel wire 0.90mmx31 ± 2
Outer Sheath	External O.D. 11.20±0.20mm
	Surface: Clean, Smooth
	Material: PE
	Colour: Black



Ordering Information

Description	Part Number
Cat 6 SWA FTP Cable	001-003-005-80

Cable Characteristics

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	RL (dB)	PS NEXT (dB)	ACR-N (dB)	ACR-F (dB)
1.00	3.00	65.00	19.10	62.00	62.00	64.20
4.00	3.50	64.10	21.00	61.80	60.60	52.10
8.00	5.00	59.40	21.00	57.00	54.40	46.10
10.00	5.50	57.80	21.00	55.50	52.30	44.20
16.00	7.00	54.60	20.00	52.20	47.60	40.10
20.00	7.90	54.60	20.00	52.20	52.30	44.20
25.00	8.90	51.50	19.00	49.10	42.70	36.20
31.25	10.00	50.00	18.50	47.50	40.00	34.30
62.50	14.40	45.10	16.00	42.70	30.80	28.30
100.00	18.60	41.80	14.00	39.30	23.30	24.20
200.00	27.40	36.90	11.00	34.30	9.60	18.20
250.00	31.00	35.60	10.00	32.70	4.20	16.20
Impedance				1-100MHz 100-250MHz	100±15 Ω 100±20 Ω	
20°C, Max. Conductor DC Resistance				<97.6 Ω/km		
Maxium Rated Temperature				60 °C		
Velocity Ratio				70%		