



APPLICATION

Shielded Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management System (BMS).

DESIGN

Conductor: N x Bare Copper Wire, 14 AWG Flexible

Insulation: HFFR / LSZH

Core 1: Black, Core 2: Red, Core 3: White, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow, Core 9: Purple, Core 10: Grey, Core 11: Pink, Core 12: Tan (Black colour with number identification on cores above 12)

Cabling: Cores laid by twisting

Screen: Aluminium/Polyester 100% Coverage

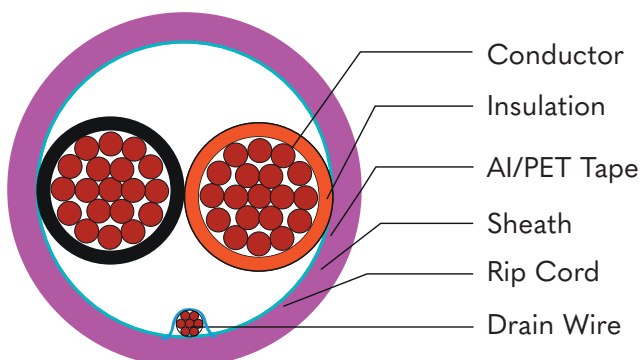
Drain Wire: 24 AWG (7x32) Tinned Copper

Sheath: Flame-Retardant Halogen free (HFFR/LSZH)
Standard colour: Purple

Rip Cord: Nylon Yarn

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VSC214L	VSC314L	VSC414L	VSC614L	VSC814L
No of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.8				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.65	0.65	0.65	0.65	0.65
Nom. Overall Diameter (mm)	6.2	6.6	7.2	8.6	9.3
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	420	635	845	1265	1685
Min. Bend Radius (Install) (mm)	62	66	72	86	93
Nominal Cable Weight (kg/km)	63.7	88.5	110.7	152.6	158.1

Electrical Characteristics

Part Number	VSC214L	VSC314L	VSC414L	VSC614L	VSC814L
No. of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	9.36				
Max. DC Resistance Screen (Ω/km)	78.5				
Capacitance Conductor to Conductor (Pf/m)	190	185	183	178	173
Capacitance Core to rest (Pf/m)	340	350	330	320	315
Nominal Inductance ($\mu\text{H}/\text{m}$)	0.5				
Max. Recommended Current @ 25°C (Amps)	8	8	6.4	5.6	5.6
Max. Operating Voltage (Vrms)	300				

Reference Standards

(BS) EN 50290-2

IEC 60228

IEC 60754-1 & 2

IEC 61034, IEC 60332 - 3-24

ROHS directives

Ordering Information

Part Number	Description
VSC214L	2 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC314L	3 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC414L	4 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC614L	6 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC814L	8 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll