



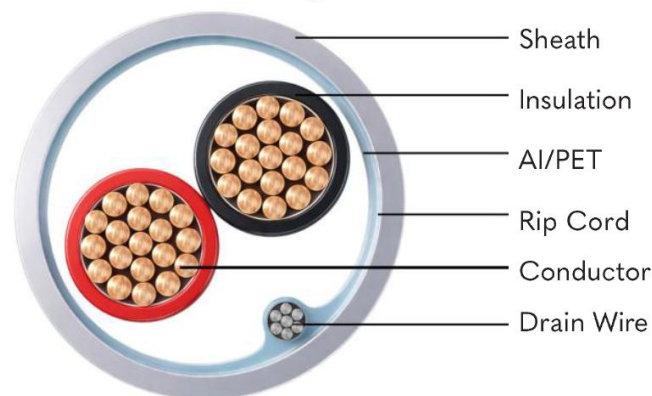
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 20 AWG Flexible
Insulation: HFFR / LSZH
Core Colors: 1: Black, 2: White, 3: Red, 4: Green, 5: Brown, 6: Blue, 7: Orange, 8: Yellow
Drain Wire: Tinned Copper Wire
Rip Cord: Nylon Yarn
Screen: Aluminium/Polyester 100% Coverage
Sheath Material : Flame-Retardant Halogen free (HFFR/LSZH)
Standard colour: Grey, RAL Code: 7046
Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VSC220L	VSC320L	VSC420L	VSC620L	VSC820L
No. of Cores x 20 AWG (7 x 28)	2	3	4	6	8
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Sheath(mm)	0.65				
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)				
Nom. Overall Diameter (mm)	4.3	4.6	5.0	5.9	6.4
Operating Temperature Range (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	112	168	224	336	448
Min. Bend Radius (Install) (mm)	44	46	50	59	64
Nominal Cable Weight (kg/km)	29.7	37.2	45.4	62.4	77.7

ELECTRICAL CHARACTERISTICS

Part Number	VSC220L	VSC320L	VSC420L	VSC620L	VSC820L
No. of Cores x 20 AWG (7 x 28)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	41.5				
Max. DC Resistance Screen (Ω/km)	95				
Capacitance Conductor to Conductor (Pf/m)	138	140	120	115	115
Capacitance Conductor to Rest (Pf/m)	248	240	215	210	210
Nominal Inductance (μH/m)	0.5				
Max. Recommended Current at 25°C (Amps)	3.75		3	2.6	
Max. Operating Voltage (Vrms)	300				

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC220L	Voltan UK 2 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC320L	Voltan UK 3 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC420L	Voltan UK 4 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC620L	Voltan UK 6 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC820L	Voltan UK 8 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll