



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 20 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

Drain Wire: Tinned Copper Wire

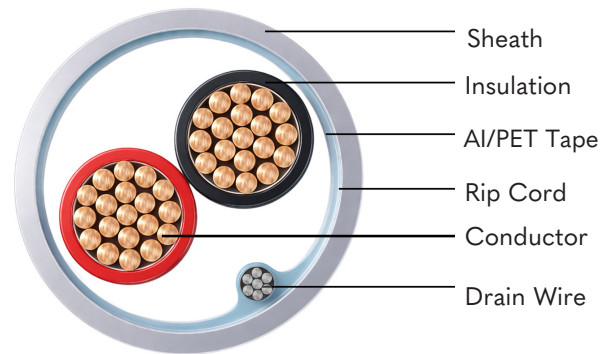
Screen: Aluminium/Polyester 100% Coverage

Rip Cord: Nylon Yarn

Sheath Material: Flame-Retardant Halogen free (HFFR/LSZH), Standard colour: Grey, RALCode: 7046

Standard Put-up Length: 305 Meter

Cross Section Drawing



Physical Characteristics

Part Number	VSC220L	VSC320L	VSC420L	VSC620L	VSC820L
No of Cores	2	3	4	6	8
Conductor Construction (AWG)	20AWG (7 x 32)				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Sheath (mm)	0.65				
Nom. Drain Wire Diameter (mm)	20 AWG (7 *0.32)				
Nom. Overall Diameter (mm)	4.3	4.6	50	59	6.4
Operating Temperature (°C)	-25 / +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)	9.5				
Capacitance conductor to conductor (pF/m)	138	140	120	115	115
Capacitance conductor to rest (pF/m)	248	240	215	210	210
Nominal Inductance ($\mu\text{H}/\text{m}$)	0.5				
Max. Recommended Current at 25°C (Amps)	3.75	3.75	3	2.6	2.6
Max. Operating Voltage (Vrms)	300				

Reference & Standards

(BS) EN 50290-2

RoHS directives

IEC 60332-1

Ordering Information

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