

APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 22 AWG Flexible

Insulation: HFFR/LSZH

Core Colors: 1: Black, 2: White, 3: Red, 4: Green,
5: Brown, 6: Blue, 7: Orange, 8: Yellow
9: Purple, 10: Grey, 11: Pink, 12: Tan

Drain Wire: Tinned Copper Wire

Rip Cord: Nylon Yarn

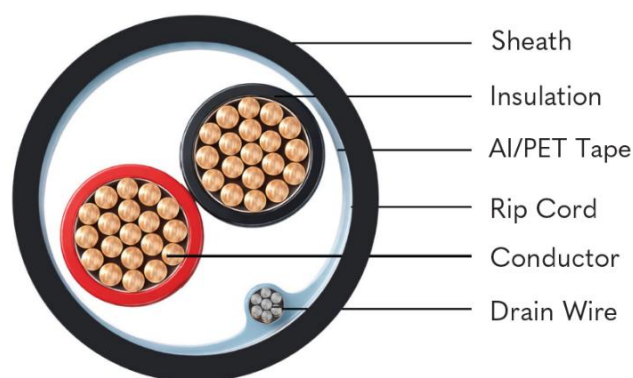
Screen: Aluminium/Polyester 100% Coverage

Sheath Material : Polyethylene (PE)

Standard Colour: Black, RAL Code: 9005

Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VSC222PE	VSC322PE	VSC422PE	VSC622PE	VSC822PE	VSC1222PE
No. of Cores x 22AWG (7 x 30)	2	3	4	6	8	12
Nom. Diameter Conductor	0.75					
Nom. Radial Thickness Insulation(mm)	0.25					
Nom. Radial Thickness Sheath(mm)	0.6					
Nom. Drain Wire Diameter(mm)	24 AWG (7 * 32)					
Nom. Overall Diameter(mm)	3.9	4.1	4.4	5.2	5.6	7.0
Operating Temperature Range(°C)	-25 to +75					
Max. Operating Humidity (%) Non condensing	95					
Max. Recommended Pulling Tension (N)	50	75	100	150	200	300
Min. Bend Radius (Install) (mm)	39	41	44	52	56	70
Nominal Cable Weight (kg/km)	19	24	27	38	47	77

ELECTRICAL CHARACTERISTICS

Part Number	VSC222PE	VSC322PE	VSC422PE	VSC622PE	VSC822PE	VSC1222PE
No. of Cores x 22AWG (7 x 30)	2	3	4	6	8	12
Max. DC Resistance Conductor (Ω/km)	57.4					
Max. DC Resistance Screen	78.5					
Capacitance Conductor to Conductor (Pf/m)	115	110	110	105	100	100
Capacitance Conductor to Cond. + Screen (Pf/m)	200	200	200	185	185	185
Nominal inductance ($\mu\text{H}/\text{m}$)	0.5					
Max. Recommended Current at 25°C (Amps)	2.8	2.8	2.25	1.95	1.95	1.95
Max. Operating Voltage (Vrms)	300					

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC222PE	Voltan UK 2 Core, 22 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC322PE	Voltan UK 3 Core, 22 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC422PE	Voltan UK 4 Core, 22 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC622PE	Voltan UK 6 Core, 22 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC822PE	Voltan UK 8 Core, 22 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC1222PE	Voltan UK 12 Core, 22 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll