



APPLICATION

Shielded Tinned Copper Cable suitable for Building Management System (BMS), Audio, Control, Analog / Digital signals and Instrumentation.

DESIGN

Conductor: N x Tinned Copper Wire, 22 AWG Flexible

Insulation: Polyethylene

Core Colors: 1: Black, 2: Red

Drain Wire: Tinned Copper Wire

Rip Cord: Nylon Yarn

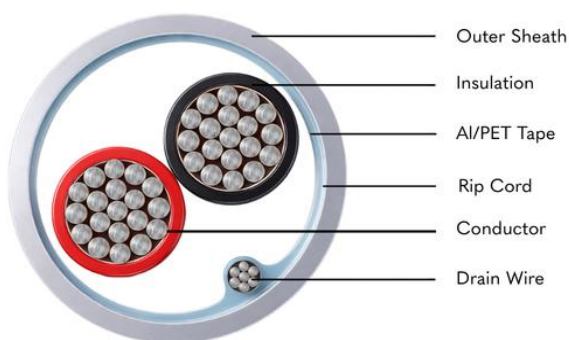
Screen: Aluminium/Polyester 100% Coverage

Sheath Material: Flame-Retardant Halogen free (LSZH)

Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VSC1P22L
No. of Cores x 22 AWG (7 x 30)	2
Nom. Diameter Conductor	0.75
Nom. Radial Thickness Insulation (mm)	0.43
Nom. Radial Thickness Sheath (mm)	0.9
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)
Nom. Overall Diameter (mm)	5.1
Operating Temperature Range (°C)	-25 to +75
Max. Recommended Pulling Tension (N)	150
Min. Bend Radius (Install) (mm)	49
Nominal Cable Weight (kg/km)	29

ELECTRICAL CHARACTERISTICS

Part Number	VSC1P22L
No. of Cores x 22 AWG (7 x 30)	2
Max. DC Resistance Conductor (Ω/km)	52.3
Capacitance Conductor to Conductor (Pf/m)	78.5
Capacitance Conductor to Rest (Pf/m)	154.2
Nominal Inductance ($\mu\text{H}/\text{m}$)	0.66
Max. Recommended Current at 25°C (Amps)	2.8
Max. Operating Voltage (Vrms)	300

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC1P22L	Voltan UK 1 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, LSZH 305M / Roll