



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: LSZH

Pair Colors: 1: Black/Red, 2: Black/White,
3: Black/Green, 4: Black/Blue,
5: Black/Yellow, 6: Black/Brown

Drain Wire: Tinned Copper Wire

Pair: Two wires twisted together

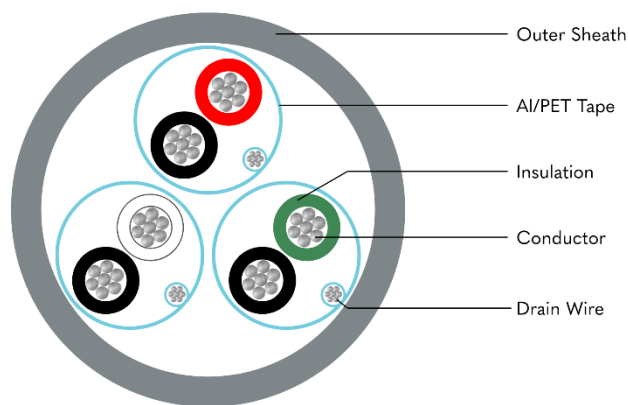
Screen: Each Pair Individual Shielded with an
Aluminium/Polyester Foil 115% Coverage

Sheath Material: Flame-Retardant Halogen free (LSZH)

Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305/500 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VSC2P22L	VSC3P22L	VSC4P22L	VSC5P22L	VSC6P22L
No. of Pairs x 22 AWG (7 x 30)	2	3	4	5	6
Nom. Diameter Conductor (mm)	0.75				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Sheath(mm)	0.8				
Nom. Drain Wire Diameter (mm)	24 (7 x 32)				
Nom. Overall Diameter (mm)	6.5	7.0	7.5	8.2	9.0
Operating Temperature Range (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	185	240	320	400	480
Min. Bend Radius (Install) (mm)	65	70	75	82	90
Nominal Cable Weight (kg/km)	50.8	67.4	75.7	87.7	115.6

ELECTRICAL CHARACTERISTICS

Part Number	VSC2P22L	VSC3P22L	VSC4P22L	VSC5P22L	VSC6P22L
No. of Pairs x 22 AWG (7 x 30)	2	3	4	5	6
Max. DC Resistance Conductor (Ω/km)	57.4				
Max. DC Resistance Screen (Ω/km)	78.6				
Capacitance Conductor to Conductor (Pf/m)	170				
Capacitance Conductor to Rest (Pf/m)	320				
Max. Recommended Current at 25°C (Amps)	2.3	2.3	2	2	2
Max. Operating Voltage (Vrms)	300				

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC2P22L	Voltan UK 2 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, LSZH 305M / Roll
VSC3P22L	Voltan UK 3 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, LSZH 305M / Roll
VSC4P22L	Voltan UK 4 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, LSZH 305M / Roll
VSC5P22L	Voltan UK 5 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, LSZH 305M / Roll
VSC6P22L	Voltan UK 6 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, LSZH 305M / Roll