



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

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

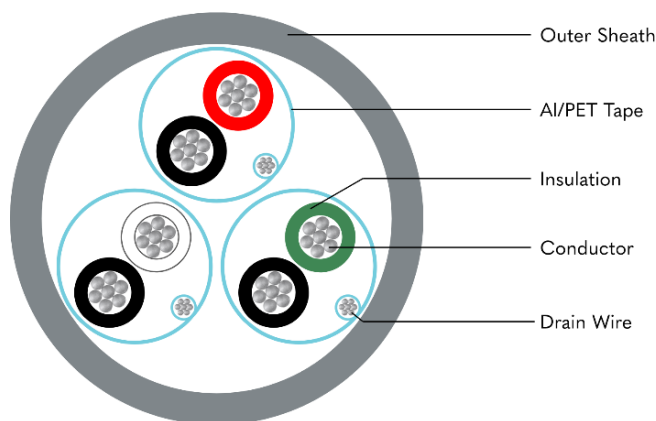
Screen: Each Pair Individual Shielded with an
Aluminium/Polyester Foil 115% Coverage

Sheath Material : Flame-Retardant Polyvinyl Chloride
(PVC)

Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305/500 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VSC222P-TP	VSC322P-TP	VSC422P-TP	VSC522P-TP	VSC622P-TP
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)	0.2				
Nom. Radial Thickness Sheath(mm)	0.6				
Nom. Drain Wire Diameter (mm)	24 (7 x 32)				
Nom. Overall Diameter (mm)	5.8	6.1	7.0	7.7	8.5
Operating Temperature Range (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	185	240	320	400	480
Min. Bend Radius (Install) (mm)	60	65	70	77	85
Nominal Cable Weight (kg/km)	36	49	62	74	87

ELECTRICAL CHARACTERISTICS

Part Number	VSC222P-TP	VSC322P-TP	VSC422P-TP	VSC522P-TP	VSC622P-TP
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)	90	98	98	99	99
Capacitance Conductor to Rest (Pf/m)	180				
Nominal Impedance (Ω)	50				
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
VSC222P-TP	Voltan UK 2 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, PVC 305M / Roll
VSC322P-TP	Voltan UK 3 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, PVC 305M / Roll
VSC422P-TP	Voltan UK 4 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, PVC 305M / Roll
VSC522P-TP	Voltan UK 5 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, PVC 305M / Roll
VSC622P-TP	Voltan UK 6 Pair, 22 AWG Shielded Twisted Pair Tinned Copper Cable, PVC 305M / Roll