



APPLICATION

Multi-Conductor cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

DESIGN

Conductor: N x Tinned Copper Wire, 22 AWG Flexible

Insulation: Polyolefin

Core 1: Black, Core 2: Red, Core 3: White.

Core 4: Green, Core 5: Brown, Core 6: Blue

Core 7: Orange, Core 8: Yellow, Core 9: Purple

Core 10: Grey, Core 11: Pink, Core 12: Tan

Cabling: Cores laid by twisting

Drain Wire: 24 AWG (7 x 32) Tinned Copper

Braid: Tinned Copper wire

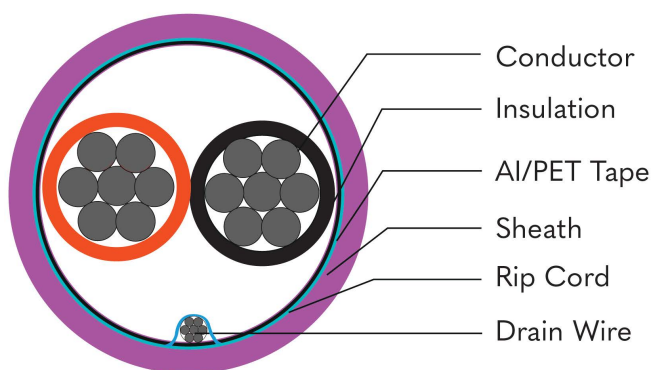
Screen: Aluminium/Polyester 100% Coverage

Rip Cord: Nylon Yarn

Sheath Material: Flame-Retardant Halogen Free (HFFR/LSZH), Standard colour: Purple

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VSC222L-TC	VSC322L-TC	VSC422L-TC	VSC622L-TC	VSC822L-TC
No of cores x 22AWG (7 x 30)	2	3	4	6	8
Nom. Diameter Conductor (mm)	0.75				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Sheath(mm)	0.6				
Nom. Overall Diameter (mm)	3.9	4.1	4.4	5.2	5.6
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	50	75	100	150	200
Min. Bend Radius (install) (mm)	39	41	44	52	56
Nominal Cable Weight (kg/km)	20.5	25.2	29.9	41	50.6

Electrical Characteristics

Part Number	VSC222L-TC	VSC322L-TC	VSC422L-TC	VSC622L-TC	VSC822L-TC
Number of Cores x 22AWG (7x30)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	57.4				
Max. DC Resistance Screen (Ω/km)	78.5				
Capacitance conductor to conductor (pF/m)	115	110	110	105	100
Capacitance conductor to rest (pF/m)	200	200	200	185	185
Nominal Inductance ($\mu\text{H}/\text{m}$)	0.5				
Max. Recom. Current @ 25°C (Amps)	2.8	2.8	2.25	1.95	1.95
Max. Operating Voltage (Vrms)	300				

Reference Standards

(BS) EN 50290-2

IEC 60228

IEC 60754-1 & 2

IEC 61034, IEC 60332-3-24 RoHS directives

Ordering Information

Part Number	Description
VSC222L-TC	2 Core, 22 AWG shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll
VSC322L-TC	3 Core, 22 AWG shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll
VSC422L-TC	4 Core, 22 AWG shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll
VSC622L-TC	6 Core, 22 AWG shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll
VSC822L-TC	8 Core, 22 AWG shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll