



## APPLICATION

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

## DESIGN

Conductor: N x Tinned Copper Wire, 16 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 (for cores more than 12, Black with White serial numbers)

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

Screen: Aluminium/Polyester 100% Coverage

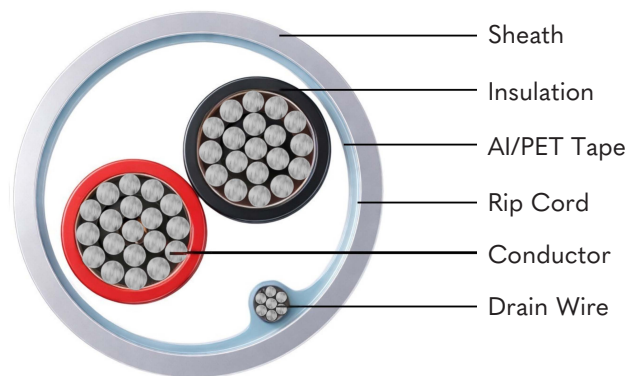
Rip Cord: Nylon Yarn

Sheath Material : Flame-Retardant Halogen free

(HFFR/LSZH) Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

## Cross Section Drawing



## Physical Characteristics

Part Number	VSC216L-TC	VSC316L-TC	VSC416L-TC	VSC616L-TC	VSC816L-TC
No of Cores x 16 AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.4				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Sheath (mm)	0.65				
Nom. Overall Diameter (mm)	5.3	5.5	6.0	7.1	7.7
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	260	390	520	780	1040
Min. Bend Radius (Install) (mm)	53	55	60	71	77
Nominal Cable Weight (kg/km)	45.4	59.2	73.6	102.6	130.4

## Electrical Characteristics

Part Number	VSC216L-TC	VSC316L-TC	VSC416L-TC	VSC616L-TC	VSC816L-TC
No of Cores x 16 AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	15.47				
Max. DC Resistance Screen ( $\Omega$ /km)	78.5				
Capacitance conductor to conductor (pF/m)	170	168	165	150	146
Capacitance cond. to other cond.+screen (pF/m)	308	300	300	275	275
Nominal Inductance (l)	0.5				
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5.0	4.35	4.35
Max. Operating Voltage (Vrms)	300				

## Reference Standards

(BS) EN 50290-2	EC 61034
IEC 60754-1 & 2	IEC 60332-3-24
IEC 60228	RoHS directives

## Ordering Information

Part Number	Description
VSC216L-TC	2 Core, 16 AWG Shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll
VSC316L-TC	3 Core, 16 AWG Shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll
VSC416L-TC	4 Core, 16 AWG Shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll
VSC616L-TC	6 Core, 16 AWG Shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll
VSC816L-TC	8 Core, 16 AWG Shielded Multi Conductor Tinned Copper Cable, LSZH 305M / Roll