

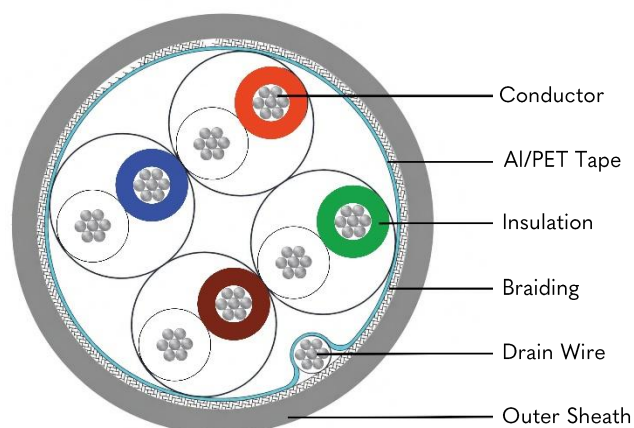
APPLICATION

Energy Monitoring, Access Control, BMS, Industrial automation (PLCs, Motor Drives).

DESIGN

Conductor: Tinned Copper Wire, Flexible
Insulation: Foam PE
Pair Colors: 1: White + Blue, 2: White + Orange 3: White + Green, 4: White + Brown
Cabling: N Pairs Twisted Together
Drain Wire: Tinned Copper Wire
Screen: Aluminium/Polyester 115% Coverage
Braid: Tinned Copper Wire
Sheath Material: Flame-Retardant Low Smoke Zero Halogen (LSZH)
Standard colour: Grey, RAL Code: 7046
Standard Put-up Length: 305 Meters

Cross-Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VFST122L	VFST222L	VFST322L	VFST422L
Number of Pairs	1	2	3	4
Conductor Gauge (AWG)	22			
Conductor Configuration (AWG)	7 x 30			
Nom. Radial Thickness Insulation (mm)	0.6			
Drain Wire Size (AWG)	24 (7 x 32)			
Coverage Braid (%)	65			
Nominal Radial Thickness Sheath (mm)	0.8			
Nom. Overall Diameter (mm)	6.1	8.0	9.3	10.3
Operating Temperature (C°)	-25 to +75			
Max. Pulling tension (N)	265	355	400	445
Min.Bend Radius (Install) (mm)	60	80	90	105
Nominal Cable Weight (kg/km)	46.7	76.7	97	119.1

ELECTRICAL CHARACTERISTICS

Part Number	VFST122L	VFST222L	VFST322L	VFST422L
Number of Pairs	1	2	3	4
Max. DC Resistance Conductor (Ω/km)	57.4			
Max. DC Resistance Screen (Ω/km)	20			
Nominal Impedance (Ω)	120			
Capacitance core to core (pF/m)	34	34	34	34
Capacitance core to rest. (pF/m)	65	65	65	65
Nominal Attenuation at 1 Mhz (db/100m)	2.06			
Max. Recom. Current @ 25°C (Amps)	2.7			
Max. Operating Voltage (Vrms)	300			

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VFST122L	Voltan UK RS-485 1 Pair, 22 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST222L	Voltan UK RS-485 2 Pair, 22 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST322L	Voltan UK RS-485 3 Pair, 22 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST422L	Voltan UK RS-485 4 Pair, 22 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH