

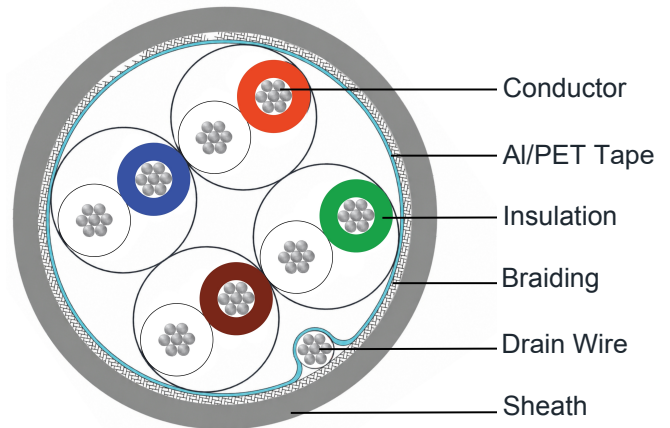
APPLICATION

Building Management Systems (BMS),
Access Control Instrumentation.

DESIGN

Conductor: Tinned Copper Wire, Flexible
Insulation: Foam PE
Pair 1: White / Blue + Blue / White
Pair 2: White / Orange + Orange / White
Pair 3: White / Green + Green / White
Pair 4: White / Brown + Brown / White
Colour Code: Pair 1: White / Orange + Orange / White
Core 1: Blue / White
Cabling: N Pairs twisted together
Screen : Aluminium / Polyester 115% Coverage
Drain Wire: Tinned Copper wire
Braid: Tinned Copper wire
Sheath Material: Halogen Free, Flame Retardant (HFFR/LSZH), PVC. Standard colour: Grey
Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VFST118L/P	VFST218L/P	VFST318L/P	VFST418L/P
Number of Pairs	1	2	3	4
Conductor Gauge (AWG)	18			
Conductor Configuration (AWG)	7 x 26			
Nom. Radial Thickness Insulation (mm)	1	0.95	0.95	0.95
Drain Wire Size (AWG)	24 (7 x 32)			
Coverage Braid (%)	65			
Nominal Radial Thickness Sheath (mm)	0.8			
Nom. Overall Diameter (mm)	9	11.5	13.0	14.6
Operating Temperature (C°)	-25 / +75			
Max. Pulling tension (N)	350	460	520	585
Min. Bend Radius (Install) (mm)	90	115	130	146
Nominal Cable Weight (kg/km)	81	128	169	209

ELECTRICAL CHARACTERISTICS

Part Number	VFST118L/P	VFST218L/P	VFST318L/P	VFST418L/P
Number of Pairs	1	2	3	4
Max. DC Resistance Conductor (Ω /km)	22.7			
Max. DC Resistance Screen (Ω /km)	20			
Nominal Impedance (Ω)	120			
Capacitance core to core (pF/m)	32	35	38	38
Capacitance core to rest. (pF/m)	70	66	69	69
Nominal Attenuation at 1 Mhz (db/100m)	1.30			
Max. Recom. Current @ 25°C (Amps)	5	4	3.5	3.5
Max. Operating Voltage (Vrms)	300			

REFERENCE STANDARDS

(BS) EN 50290-2

RoHS directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VFST118L	Voltan UK RS-485 1 Pair, 18 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST218L	Voltan UK RS-485 2 Pair, 18 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST318L	Voltan UK RS-485 3 Pair, 18 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST418L	Voltan UK RS-485 4 Pair, 18 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST118P	Voltan UK RS-485 1 Pair, 18 AWG Tinned Copper Shielded Cable with Drain Wire, PVC
VFST218P	Voltan UK RS-485 2 Pair, 18 AWG Tinned Copper Shielded Cable with Drain Wire, PVC
VFST318P	Voltan UK RS-485 3 Pair, 18 AWG Tinned Copper Shielded Cable with Drain Wire, PVC
VFST418P	Voltan UK RS-485 4 Pair, 18 AWG Tinned Copper Shielded Cable with Drain Wire, PVC