

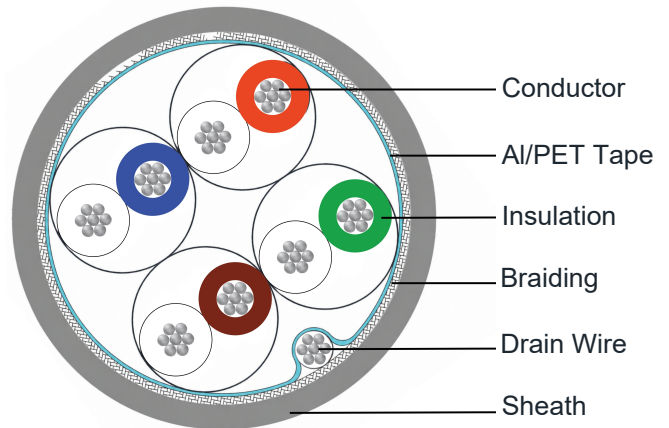
APPLICATION

Building Management Systems (BMS),
Access Control Instrumentation.

DESIGN

Conductor: Tinned Copper Wire, Flexible
Insulation: Polyethylene (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
Pair 5: White / Grey + Grey / White
Cabling: N Pairs twisted together
Screen : Aluminium / Polyester 100% 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	VFST124L/P	VFST224L/P	VFST324L/P	VFST424L/P
Number of Pairs	1	2	3	4
Conductor Configuration (AWG)	24 (7 x 32)			
Nom. Radial Thickness Insulation (mm)	0.6			
Drain Wire Size (AWG)	24 (7 x 32)			
Coverage Braid (%)	90			
Nominal Radial Thickness Sheath (mm)	0.8			
Nom. Overall Diameter (mm)	5.9	8.6	9.3	10.4
Operating Temperature (C°)	-25 / +75			
Max. Pulling Tension (N)	320	460	485	766
Min. Bend Radius (Install) (mm)	59	86	93	104
Nominal Cable Weight (kg/km)	49	92.6	114.4	143.2

ELECTRICAL CHARACTERISTICS

Part Number	VFST124L/P	VFST224L/P	VFST324L/P	VFST424L/P
Max. DC Resistance Conductor (Ω /km)			88	
Max. DC Resistance Screen (Ω /km)			1.5	
Nominal Impedance (Ω)			120	
Capacitance core to core (pF/m)	32	43	43	43
Capacitance core to rest. (pF/m)	70	87	87	87
Nominal Attenuation at 1 Mhz (db/100m)			2.6	
Nominal Velocity of Propagation (%)			66	
Max. Recom. Current @ 25°C (Amps)	2.1	1.54	1.54	1.54
Max. Operating Voltage (Vrms)			300	

REFERENCE STANDARDS

(BS) EN 50290-2

RoHS directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VFST124L	Voltan UK RS-485 1 Pair, 24 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST224L	Voltan UK RS-485 2 Pair, 24 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST324L	Voltan UK RS-485 3 Pair, 24 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST424L	Voltan UK RS-485 4 Pair, 24 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST124P	Voltan UK RS-485 1 Pair, 24 AWG Tinned Copper Shielded Cable with Drain Wire, PVC
VFST224P	Voltan UK RS-485 2 Pair, 24 AWG Tinned Copper Shielded Cable with Drain Wire, PVC
VFST324P	Voltan UK RS-485 3 Pair, 24 AWG Tinned Copper Shielded Cable with Drain Wire, PVC
VFST424P	Voltan UK RS-485 4 Pair, 24 AWG Tinned Copper Shielded Cable with Drain Wire, PVC