



APPLICATION

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

DESIGN

Conductor: Tinned Copper Wire, Flexible

Insulation: Foam PE

Pair: Two Twisted Wire

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 100% Coverage

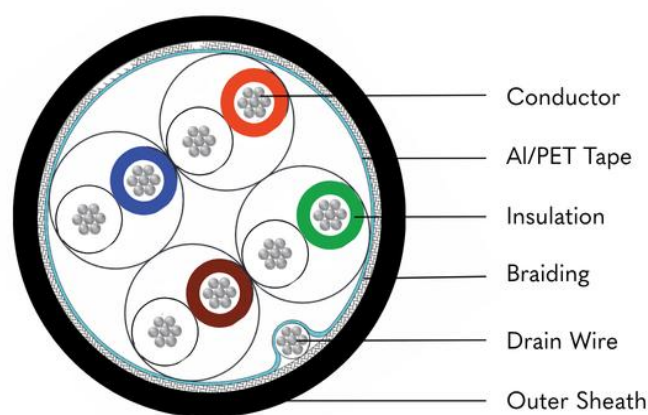
Braid: Tinned Copper Wire

Sheath Material: Flame-Retardant Polyvinyl Chloride
(PVC), Low Smoke Zero Halogen (LSZH)

Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

Cross-Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VFST 122FPVC	VFST 222FPVC	VFST 322FPVC	VFST 422FPVC	VFST 124FPVC	VFST 224FPVC	VFST 324FPVC	VFST 424FPVC
Number of Pairs	1	2	3	4	1	2	3	4
Conductor Gauge (AWG)	22				24			
Conductor Configuration (AWG)	7 x 30				7 x 32			
Insulation Material	FPE	FPE	FPE	FPE	FPE	PE	PE	PE
Nom. Radial Thickness Insulation (mm)	0.6	0.5	0.5	0.5	0.55	0.55	0.55	0.55
Drain Wire Size (AWG)	65				90			
Coverage Braid (%)	0.8							
Nominal Radial Thickness Sheath (mm)	6.1	8.5	9.0	10.3	5.9	8.0	8.6	9.3
Nom. Overall Diameter (mm)	-25 to +75							
Operating Temperature (C°)	265	355	400	445	320	385	460	485
Max. Pulling tension (N)	60	85	95	105	60	85	90	100
Min.Bend Radius (Install) (mm)	63.7	75.6	97	119.1	49	80.5	92.6	114.4

ELECTRICAL CHARACTERISTICS

Part Number	VFST 122FPVC	VFST 222FPVC	VFST 322FPVC	VFST 422FPVC	VFST 124FPVC	VFST 224FPVC	VFST 324FPVC	VFST 424FPVC
Number of Pairs	1	2	3	4	1	2	3	4
Max. DC Resistance Conductor (Ω/km)	57.4				88			
Max. DC Resistance Screen (Ω/km)	20				15			
Nominal Impedance (Ω)	120							
Capacitance core to core (pF/m)	36	37	38	38	32	42	42	45
Capacitance core to rest. (pF/m)	69	69	69	69	70	80	80	90
Nominal Attenuation at 1 Mhz (db/100m)	2.05				2.6			
Max. Recom. Current @ 25°C (Amps)	2.7	2.7	2.7	2.7	2.1	2.1	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
VFST122FPVC	Voltan UK 1 Pair 22 AWG Tinned Copper Shielded Cable, FR-PVC Sheath
VFST222FPVC	Voltan UK 2 Pair 22 AWG Tinned Copper Shielded Cable, FR-PVC Sheath
VFST322FPVC	Voltan UK 3 Pair 22 AWG Tinned Copper Shielded Cable, FR-PVC Sheath
VFST422FPVC	Voltan UK 4 Pair 22 AWG Tinned Copper Shielded Cable, FR-PVC Sheath
VFST124FPVC	Voltan UK 1 Pair 24 AWG Tinned Copper Shielded Cable, FR-PVC Sheath
VFST224FPVC	Voltan UK 2 Pair 24 AWG Tinned Copper Shielded Cable, FR-PVC Sheath
VFST324FPVC	Voltan UK 3 Pair 24 AWG Tinned Copper Shielded Cable, FR-PVC Sheath
VFST424FPVC	Voltan UK 4 Pair 24 AWG Tinned Copper Shielded Cable, FR-PVC Sheath