

		3x35 +	3x50 +
		1x35 +	1x50 +
		1x16	1x25
		UNISTAR	UNISTAR
1	Trade Name	1100 Volts	1100 Volts
2	Voltage grade	IS: 14494/98	IS: 14494/98
3	Standard reference	FT7	FT7
4	Cable type		
5	Conductor		
	a) Material as per IS:8130/1984.	Annealed tinned copper	Annealed tinned copper
	b) Nom. area of cross section		
	i) Power core (mm ²)	35	50
	ii) Pilot core (mm ²)	35	50
	iii) Earth conductor (mm ²)	16	25
	c) Flexibility class as per IS:8130/84	Class 5	Class 5
	d) Max. D.C. resistance of conductor at 20°C		
	i) Power core (Ω/Km)	0.565	0.393
	ii) Pilot core (Ω/Km)	0.565	0.393
	iii) Earth conductor (Ω/Km)	1.24	0.795
6	Insulation: (of power & pilot core)		
	a) Material as per IS:6380/84	EPR	EPR
		Type IE-2	Type IE-2
	b) Nominal thickness (mm)	1.4	1.6
7	Individual core screening of power cores and pilot core:		
	a) Material		
	Composite braid of annealed tinned copper wires bunches and nylon yarns (Non metallic reinforcing material)		
	b) Nom. diameter of Annealed tinned copper braid wire (mm)	0.3	0.3
	c) Conductance of screen	#	#
	= The conductance of each screen shall not be less than 25% of that of main conductor and the combined conductance of all such screens shall be not less than that of 15 Sq.mm copper conductor.		
8	Number of cores:		
	i) Screened Power core	3	3
	ii) Screened Pilot core	1	1
	iii) Bare Earth conductor	1	1
9	Identification of power cores and pilot cores:		
	By coloured Rubber proofed cotton tape having colours for		
	1. Power cores	Red, Yellow, and Blue	Red, Yellow, and Blue
	2. Pilot core	Black	Black
10	Laying up		
	Three screened power cores and one screened pilot core laid up around a bare earth conductor.	Yes	Yes
11	Outer sheath:		
	a) Material as per IS:6380/84	CSP	CSP
		Type SE-4	Type SE-4
	b) Nom. Thickness (mm)	5.6	5.3
12	Nominal overall diameter of cable (mm)	46.0	52.0

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Mark