



DATE Nov. 25, 2010

NO. SBT-03602

Messrs.

SPECIFICATION

FOR

6/10kV EP RUBBER INSULATED AND POLYCHLOROPRENESHEATHED FLAT TYPE FLEXIBLE CABLE

(FG-3PNCT)

Project :

Prepared by

T.FUJITA

Design & Engineering Group

Engineering Department

Industrial & Telecommunication Cable Division

Approved by

R.TONEGAWA

Group Manager


Design & Engineering Group

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Fujikura Ltd.

CONSTRUCTION DATA

Type of cable		FG-3PNCT	
Rated voltage (kV)		6/10kV	
Number of cores		3 (Power)	1 (Earth)
Conductor *TA	Nominal sectional area (mm ²)	95	50
	No. and dia. of wire (No./mm)	19/20/0.5	19/22/0.4
	Approx. dia. of conductor (mm)	14.5	10.9
Thick. of semi-conductive layer (mm)			-
Thick. of insulation (mm)		6.0	2.1
Thick. of semi-conductive tape (mm)		0.4	-
Flexible copper fibrous yarn braid Copper (Fibrous yarn)		7/0.26 (Yarn)	-
Thick. of reinforcement (mm)		0.5	0.5
Colour code		Red, White, Blue	Green
Optical fiber	Number of cores		12
	Type of optical fiber		Graded index type
	Dimension (Dia. of core/dia. of clad) (mm)		62.5/125
	Material of jacket		Rubber & Nylon
	Approx. dia. of fiber unit (mm)		22.9
	Max. loss of optical fiber at 0.85μm wavelength (dB/km)		5.0
Thick. of polychloroprene sheath (mm)		8.0	
Overall dimension (Height x Width)	Standard (mm)	45.5 × 144.8	
	Maximum (mm)	47.8 × 152.0	
Approx. net weight (kg/km)		11400	
Testing voltage (V/min.)		21000/5	3000/1
Max. conductor resistance at 20°C (Ω/km)		0.21	0.393
Min. insulation resistance at 20°C (MΩ-km)		500	300

* TA : Tinned annealed copper wire

6/10kV FG-3PNCT

