



DATE Aug. 2, 2013

NO. SBT-04553

Messrs. _____

SPECIFICATION

FOR

6.6kV EP RUBBER INSULATED AND POLYCHLOROPRENE

SHEATHED FLAT TYPE FLEXIBLE CABLE

(F-3PNCT)

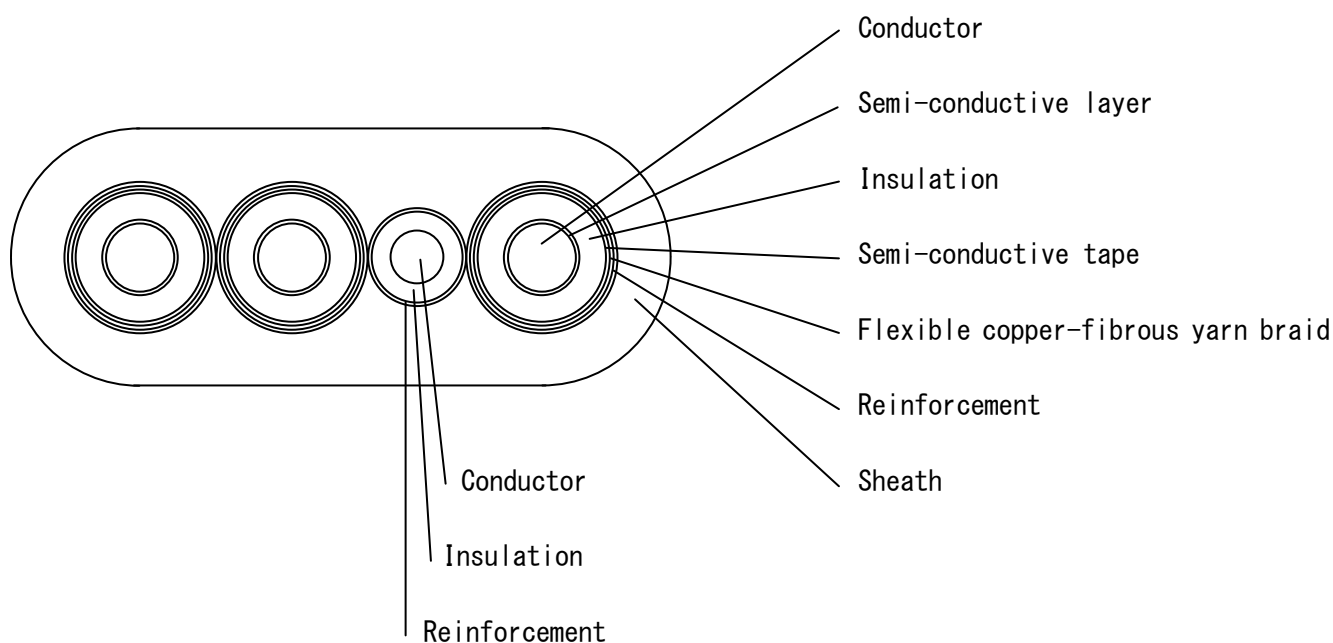
Project : _____

Fujikura Ltd.

CONSTRUCTION DATA (1)

Type of cable		F-3PNCT	
Rated voltage (kV)		6.6	
Number of core		3 (Power)	1 (Earth)
Conductor * TA	Nominal sectional area (mm ²)	70	35
	No. and dia. of wire (No./mm)	19/19/0.5	7/40/0.4
	Approx. dia. of conductor (mm)	12.6	8.8
Thick. of semi-conductive layer (mm)		—	—
Thick. of insulation (mm)		5.0	1.6
Approx. thick. of semi-conductive tape (mm)		0.4	—
Flexible copper-fibrous yarn braid (Copper Fibrous yarn)		(7/0.26 Yarn)	— —
Approx. thick. of reinforcement (mm)		0.5	0.5
Colour code		Red, White, Blue	Green
Thick. of sheath (mm)		6.4	
Overall dimension (Height x Width)	Standard (mm)	36.4 X 97.6	
	Maximum (mm)	38.2 X 102.5	
Approx. net weight (kg/km)		6570	
Testing voltage (V/min.)		17000/10	3000/1
Max. conductor resistance at 20°C (Ω/km)		0.277	0.565
Min. insulation resistance at 20°C (MΩ-km)		500	300

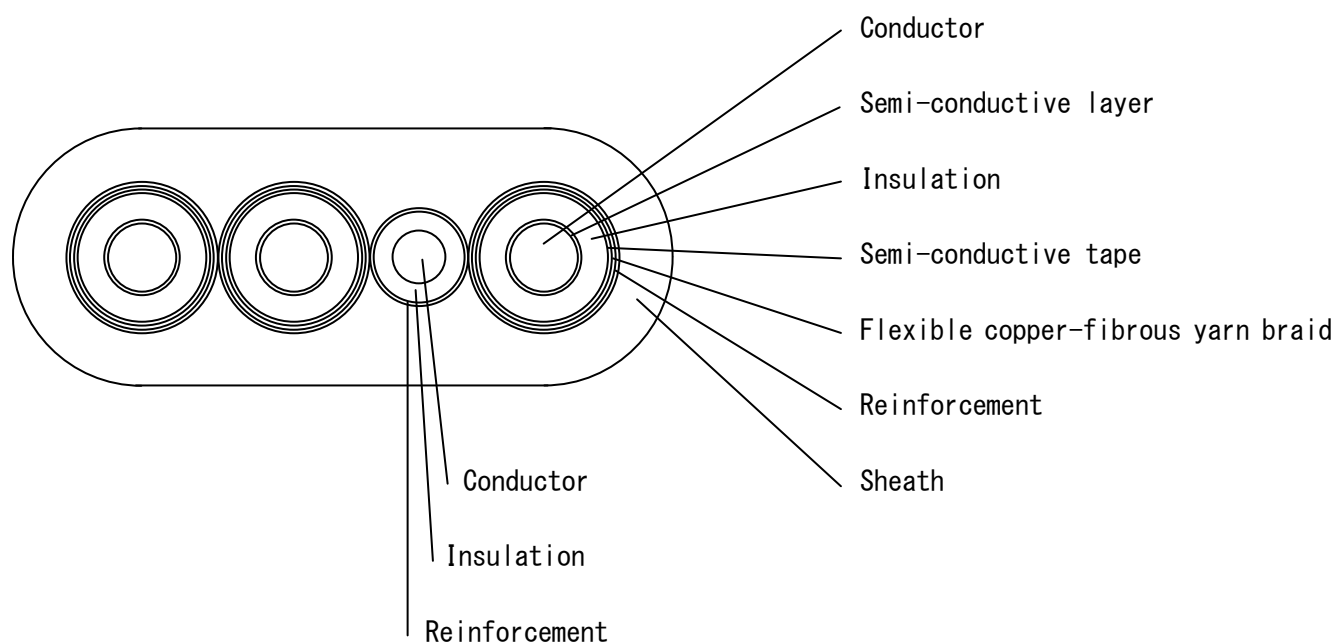
* TA : Tinned annealed copper wire



CONSTRUCTION DATA (2)

Type of cable		F-3PNCT	
Rated voltage (kV)		6.6	
Number of core		3 (Power)	1 (Earth)
Conductor * TA	Nominal sectional area (mm ²)	95	50
	No. and dia. of wire (No./mm)	19/25/0.5	19/22/0.4
	Approx. dia. of conductor (mm)	14.5	10.9
Thick. of semi-conductive layer (mm)		—	—
Thick. of insulation (mm)		5.0	2.1
Approx. thick. of semi-conductive tape (mm)		0.4	—
Flexible copper-fibrous yarn braid (Copper Fibrous yarn)		7/0.26 Yarn	— —
Approx. thick. of reinforcement (mm)		0.5	0.5
Colour code		Red, White, Blue	Green
Thick. of sheath (mm)		6.7	
Overall dimension (Height x Width)	Standard (mm)	38.7 X 106.5	
	Maximum (mm)	40.6 X 111.8	
Approx. net weight (kg/km)		7940	
Testing voltage (V/min.)		17000/10	3000/1
Max. conductor resistance at 20°C (Ω/km)		0.21	0.393
Min. insulation resistance at 20°C (MΩ-km)		400	300

* TA : Tinned annealed copper wire



CONSTRUCTION DATA (3)

Type of cable		F-3PNCT	
Rated voltage (kV)		6.6	
Number of core		3 (Power)	1 (Earth)
Conductor * TA	Nominal sectional area (mm ²)	120	50
	No. and dia. of wire (No./mm)	19/32/0.5	19/22/0.4
	Approx. dia. of conductor (mm)	16.4	10.9
Thick. of semi-conductive layer (mm)		—	—
Thick. of insulation (mm)		5.0	2.1
Approx. thick. of semi-conductive tape (mm)		0.4	—
Flexible copper-fibrous yarn braid			
Copper		7/0.26	—
(Fibrous yarn		(Yarn	—
Approx. thick. of reinforcement (mm)		0.5	0.5
Colour code		Red, White, Blue	Green
Thick. of sheath (mm)		7.0	
Overall dimension (Height x Width)	Standard (mm)	41.3 X 113.2	
	Maximum (mm)	43.4 X 118.9	
Approx. net weight (kg/km)		9200	
Testing voltage (V/min.)		17000/10	3000/1
Max. conductor resistance at 20°C (Ω/km)		0.164	0.393
Min. insulation resistance at 20°C (MΩ-km)		400	300

* TA : Tinned annealed copper wire

