0.6/1kV DPNP, TPNP, FPNP | Normal Type
0.6/1kV FA-DPNP, FA-TPNP, FA-FPNP | Flame Retardant Type

Construction Details

1. Conductor (Tinned annealed copper wire, standard)
2. EPR insulation
3. Cabling (With filler)
4. PCP outer sheath

Standard Applied

·Design guideline : JIS C 3410 (2010)
·Material properties : JIS C 3410 Insulation, EPR
JIS C 3410 Sheath, PCP
·Flame retardant(FA- type only) : IEC 60332-3, Cat.'A'

Identification of color

· Identification of insulated cores
-2 Core : Black, White
-3 Core : Black, White, Red
-4 Core : Black, White, Red, Green

No. of Cores	Conductor			Thickness of insulation	Unarmor		Cable weight(approx.)
	Nominal Sectional Area	No.& dia of Wire	Dia.		Thickness of sheath	Nominal overall dia.	(FA-)DPNP (FA-)TPNP (FA-)FPNP
EA	mm^2	EA/mm	mm	mm	mm	mm	kg/km
2	0.75	24/0.20	1.13	1.0	1.4	9.7±0.4	130
	1.0	32/0.20	1.27	1.0	1.4	9.9±0.4	135
	1.5	30/0.25	1.58	1.0	1.5	10.8±0.4	165
	2.5	49/0.25	2.02	1.0	1.6	11.8±0.5	205
	4.0	55/0.30	2.57	1.0	1.7	13.1±0.5	265
	6.0	82/0.30	3.14	1.0	1.8	14.5±0.6	340
3	0.75	24/0.20	1.13	1.0	1.4	10.2±0.4	145
	1.0	32/0.20	1.27	1.0	1.5	10.7±0.4	160
	1.5	30/0.25	1.58	1.0	1.5	11.4±0.5	190
	2.5	49/0.25	2.02	1.0	1.6	12.5±0.5	240
	4.0	55/0.30	2.57	1.0	1.8	14.1±0.6	325
	6.0	82/0.30	3.14	1.0	1.9	15.6±0.6	420
	10	80/0.40	4.13	1.0	3.0	20.0±0.8	700
	16	7/18/0.40	5.88	1.0	3.2	23.9±1.0	1020
	25	7/28/0.40	7.32	1.2	3.5	28.3±1.1	1485
	35	7/39/0.40	8.67	1.2	3.7	31.5±1.3	1935
	50	19/21/0.40	10.3	1.4	4.0	36.6±1.5	2675
	70	19/19/0.50	12.2	1.4	4.3	41.2±1.6	3550
	95	19/25/0.5	14.5	1.6	4.7	46.9±1.8	4570
	120	19/32/0.5	16.2	1.6	5.0	53.1±2.1	5700
4	0.75	24/0.20	1.13	1.0	1.5	11.3±0.5	180
	1.0	32/0.20	1.27	1.0	1.6	11.8±0.5	200
	1.5	30/0.25	1.58	1.0	1.6	12.6±0.5	235
	2.5	49/0.25	2.02	1.0	1.8	14.1±0.6	310
	4.0	55/0.30	2.57	1.0	1.9	15.6±0.6	410
	6.0	82/0.30	3.14	1.0	2.0	17.2±0.7	525

0.6/1kV DSRC, TSRC | Normal Type
0.6/1kV FA-DSRC, FA-TSRC | Flame Retardant Type

Construction Details

1. Conductor (Tinned annealed copper wire, standard)
2. Silicone rubber insulation
3. Glass yarn braid (identified)
4. Compound for glass yarn braid
5. Cabling (with glass)
6. Tape
7. Metal wire braid armour (GSW)
8. Paint

Standard Applied

·Design guideline : JIS C 3410 (2010)
·Material properties : JIS C 3410 Insulation, Silicone
·Flame retardant(FA- type only) : IEC 60332-3, Cat.'A'

Identification of color

· Identification of insulated cores
-2 Core : Black, White colored glass yarn braid
-3 Core : Black, White, Red colored glass yarn braid

No. of Cores	Conductor			Thickness of insulation	Approx. radial thickness of braid (single layer)	Approx. radial thickness of braid (double layer)	Armor		Cable weight (approx.)
	Nominal Sectional Area	No.& dia of Wire	Dia.				Dia.of metal wire for bread	Nominal dia. over braid	Armor
EA	mm^2	EA/mm	mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.52	1.56	1.0	0.3	0.55	0.3	11.3±0.5	195
	2.5	7/0.67	2.01	1.0	0.3	0.55	0.3	12.2±0.5	235
	4	7/0.85	2.55	1.0	0.3	0.55	0.3	13.3±0.5	285
3	1.5	7/0.52	1.56	1.0	0.3	0.55	0.3	12.0±0.5	235
	2.5	7/0.67	2.01	1.0	0.3	0.55	0.3	13.0±0.5	285
	4	7/0.85	2.55	1.0	0.3	0.55	0.3	14.2±0.6	355

0.6/1kV SCP | Normal Type

Construction Details

❶ Conductor (Tinned annealed copper wire or Annealed copper wire, stranded)
❷ FR-XLPE insulation

Standard Applied

·Design guideline : JIS C 3410 (2010)
·Material properties : JIS C 3410 Insulation, FR-XLPE

Identification of color

·Identification of insulated cores
- 1 Core : Black

No. of Cores	Conductor			Thickness of insulation	Nominal overall dia.	Cable weight (approx.)
	Nominal sectional area	Max. dia. of wire	Max. dia. of conductor			
EA	mm^2	No/mm^2	mm	mm	mm	kg/km
1	1.5	0.26	1.8	0.9	3.7±0.4	25
	2.5	0.26	2.4	1.0	4.3±0.4	38
	4	0.31	3.0	1.0	4.9±0.4	55
	6	0.31	3.9	1.0	5.4±0.4	75
	10	0.41	5.1	1.1	6.6±0.4	120
	16	0.41	6.3	1.1	8.4±0.4	185
	25	0.41	7.8	1.2	10.0±0.4	275
	35	0.41	9.2	1.4	11.8±0.5	380
	50	0.41	11.0	1.4	13.4±0.5	535
	70	0.51	13.1	1.6	15.9±0.6	755
	95	0.51	15.1	1.7	17.9±0.7	980

0.6/1kV SYP | Normal Type

Construction Details

❶ Conductor (Tinned annealed copper wire or Annealed copper wire, stranded)
❷ PVC insulation

Standard Applied

·Design guideline : JIS C 3410 (2010)
·Material properties : JIS C 3410 Insulation, PVC

Identification of color

·Identification of insulated cores
- 1 Core : Black

No. of Cores	Conductor			Thickness of insulation	Nominal overall dia.	Cable weight (approx.)
	Nominal sectional area	Max. dia. of wire	Max. dia. of conductor			
EA	mm^2	mm	mm	mm	mm	kg/km
1	0.75	0.21	1.3	1.2	3.7±0.4	20
	1.0	0.21	1.5	1.2	3.9±0.4	23
	1.5	0.26	1.8	1.2	4.2±0.4	29
	2.5	0.26	2.4	1.2	4.6±0.4	40
	4	0.31	3.0	1.2	5.2±0.4	60
	6	0.31	3.9	1.2	5.7±0.4	80
	10	0.41	5.1	1.2	6.7±0.4	125
	16	0.41	6.3	1.3	8.7±0.4	190