

0.6/1kV SPY, SPYC(CB), SPYC(CB)Y | Normal Type**0.6/1kV FA-SPY, FA-SPYC(CB), FA-SPYC(CB)Y | Flame Retardant Type****Construction Details**

- ① Conductor (Tinned annealed copper wire, standard)
- ② EPR insulation (identified)
- ③ PVC sheath : * End of "-Y" type
- ④ Metal wire braid armour : * End of "-CB"① or "-C"② type
- ⑤ PVC outer sheath : * End of "-CBY"① or "-CY"② type

Note | ① For single core cable, the armour should be used of copper-alloy wire as non-magnetic material in order to avoid current loops according to clause 3.26 of IEC Pub.60092-352
 ② Single core cable "-C" & "-CY" is used in below

Standard Applied

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

Identification of color

- Identification of insulated cores
- 1 core : Black

No. of Cores	Conductor			Thickness of insulation	[FA]-SPY		[FA]-SPYC[CB]		[FA]-SPYC[CB]Y		Cable weight (approx.)		
					Unarmor		Armor		Armor with protective sheath				
	Nominal Sectional Area	No.& dia of Wire	Dia.		Thickness of sheath	Nominal dia. over sheath	Dia.of metal wire for braid	Nominal dia. over braid	Thickness of outer sheath	Nominal overall dia.	Unarmor	Armor	Armor with sheath
EA	mm ²	EA/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	kg/km	kg/km
1	1.5	7/0.52	1.56	1.0	1.0	5.9±0.4	0.3	7.2±1.3	0.8	9.0±0.4	55	100	135
	2.5	7/0.67	2.01	1.0	1.0	6.3±0.4	0.3	7.6±0.4	0.8	9.4±0.4	65	120	150
	4	7/0.85	2.55	1.0	1.0	6.9±0.4	0.3	8.2±0.4	0.8	10.0±0.4	85	140	175
	6	7/1.04	3.12	1.0	1.0	7.4±0.4	0.3	8.7±0.4	0.8	10.5±0.4	110	170	205
	10	7/1.35	4.05	1.0	1.1	8.6±0.4	0.3	9.9±0.4	0.8	11.7±0.5	140	225	270
	16	7/1.70	5.10	1.0	1.1	9.6±0.4	0.3	10.9±0.4	0.9	12.9±0.5	215	300	350
	25	7/2.14	6.42	1.2	1.2	11.5±0.5	0.3	12.8±0.5	0.9	14.8±0.6	300	425	485
	35	7/2.52	7.56	1.2	1.2	12.7±0.5	0.3	14.0±0.6	1.0	16.2±0.6	390	535	610
	50	19/1.78	8.90	1.4	1.3	14.6±0.6	0.3	15.9±0.6	1.0	18.1±0.7	500	700	780
	70	19/2.14	10.7	1.4	1.4	16.6±0.7	0.3	17.9±0.7	1.0	20.1±0.8	625	940	1030
	95	19/2.52	12.6	1.6	1.5	19.3±0.8	0.3	20.6±0.8	1.1	23.0±0.9	750	1260	1370
	120	37/2.03	14.2	1.6	1.5	20.9±0.8	0.3	22.2±0.9	1.2	24.8±1.0	900	1520	1650
	150	37/2.25	15.8	1.8	1.6	23.1±0.9	0.3	24.4±1.0	1.2	27.0±1.1	1125	1840	1980
	185	37/2.52	17.6	2.0	1.7	25.5±1.0	0.3	26.8±1.1	1.3	29.6±1.2	1370	2260	2430
	240	61/2.25	20.3	2.2	1.8	28.8±1.2	0.3	30.1±1.2	1.4	33.1±1.3	1780	2920	3130
300	61/2.52	22.7	2.4	1.9	31.8±1.3	0.4	33.6±1.3	1.4	36.6±1.5	2240	3700	3930	