

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

- ① Conductor (Tinned annealed copper wire, standard)
- ② MGT/EPR insulation (identified)
- ③ PVC sheath
- ④ Metal wire braid armour (copper alloy) : End of "-YCB" type or "-YC" type
- ⑤ PVC sheath : End of "-YCBY" type or "-YCY" type

Note | 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

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'
- Fire resistant : IEC 60331-1,2

Identification of color

- Identification of insulated cores
- 1 Core : Black

No. of Cores	Conductor			Thickness of insulation	Thickness of sheath	Nominal dia. over sheath	(FR)-(FA)-SPYC(CB)		(FR)-(FA)-SPYC(CB)Y		Cable weight (approx.)	
							Armor		Armor with protective sheath			
	Nominal Sectional Area	No.& dia of Wire	Dia.				Dia.of metal wire for braid	Nominal dia. over braid	Thickness of outer sheath	Nominal overall dia.	Armor	Armor with sheath
EA	mm²	EA/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	kg/km
1	1.5	7/0.52	1.56	1.0	1.0	7.2	0.3	8.6±0.4	0.8	10.4±0.4	145	185
	2.5	7/0.67	2.01	1.0	1.0	7.6	0.3	9.0±0.4	0.8	10.8±0.4	165	205
	4	7/0.85	2.55	1.0	1.0	8.2	0.3	9.6±0.4	0.8	11.4±0.5	190	235
	6	7/1.04	3.12	1.0	1.1	8.9	0.3	10.3±0.4	0.9	12.3±0.5	225	275
	10	7/1.35	4.05	1.0	1.1	9.9	0.3	11.3±0.5	0.9	13.3±0.5	285	345
	16	7/1.70	5.10	1.0	1.1	10.9	0.3	12.3±0.5	0.9	14.3±0.6	365	425
	25	7/2.14	6.42	1.2	1.2	12.8	0.3	14.2±0.6	1.0	16.4±0.7	505	580
	35	7/2.52	7.56	1.2	1.3	14.4	0.3	15.8±0.6	1.0	18.0±0.7	635	720
	50	19/1.78	8.90	1.4	1.3	16.0	0.3	17.4±0.7	1.0	19.6±0.8	800	890
	70	19/2.14	10.7	1.4	1.4	18.0	0.3	19.4±0.8	1.1	21.8±0.9	1050	1160
	95	19/2.52	12.6	1.6	1.5	20.5	0.3	21.9±0.9	1.1	24.3±1.0	1375	1500
	120	37/2.03	14.2	1.6	1.6	22.3	0.3	23.7±0.9	1.2	26.3±1.1	1660	1805
	150	37/2.25	15.8	1.8	1.6	24.3	0.3	25.7±1.0	1.2	28.3±1.1	1980	2135
	185	37/2.52	17.6	2.0	1.7	26.7	0.3	28.1±1.1	1.3	30.9±1.2	2410	2590
	240	61/2.25	20.3	2.2	1.8	30.0	0.3	31.4±1.3	1.4	34.4±1.4	3065	3285
	300	61/2.52	22.7	2.4	2.0	33.2	0.4	35.0±1.4	1.5	38.2±1.5	3855	4115