

250V MPYC-S, MPYCY-S | Normal Type**250V FA-MPYC-S, FA-MPYCY-S | Flame Retardant Type****Construction Details**

- ① Conductor (Tinned annealed copper wire, standard))
- ② EPR insulation (identified)
- ③ Individual shield braid (Copper wire)
- ④ Cabling (with filler)
- ⑤ Tape
- ⑥ PVC sheath
- ⑦ Metal wire braid armour (GSW)
- ⑧ Paint : End of "-C-S" type
- ⑨ PVC outer sheath : End of "-CY-S" type

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
- 2 core and above : Numbering on white insulated core

No. of Cores	Conductor			Thickness of insulation	Dia.of copper wire for shield braid	Thickness of sheath	Nominal dia. over sheath	{FA}-MPYC-S		{FA}-MPYCY-S		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	mm ²	EA/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	kg/km
2	1.0	7/0.43	1.29	0.6	0.12	1.1	10.1	0.3	11.4±0.5	0.9	13.4±0.5	180	235
4	1.0	7/0.43	1.29	0.6	0.12	1.2	11.8	0.3	13.1±0.5	0.9	15.1±0.6	305	365
5	1.0	7/0.43	1.29	0.6	0.12	1.2	12.6	0.3	14.0±0.6	1.0	16.2±0.6	320	395
7	1.0	7/0.43	1.29	0.6	0.12	1.3	14.2	0.3	15.5±0.6	1.0	17.7±0.7	445	525
9	1.0	7/0.43	1.29	0.6	0.12	1.3	15.9	0.3	17.3±0.7	1.0	19.5±0.8	485	575
12	1.0	7/0.43	1.29	0.6	0.12	1.4	18.7	0.3	20.0±0.8	1.1	22.4±0.9	705	815
16	1.0	7/0.43	1.29	0.6	0.12	1.5	20.2	0.3	21.6±0.9	1.1	24.0±1.0	760	880
19	1.0	7/0.43	1.29	0.6	0.12	1.6	22.2	0.3	23.5±0.9	1.2	26.1±1.0	1020	1160
23	1.0	7/0.43	1.29	0.6	0.12	1.6	23.8	0.3	25.2±1.0	1.2	27.8±1.1	1055	1210
27	1.0	7/0.43	1.29	0.6	0.12	1.7	26.6	0.3	27.9±1.1	1.3	30.7±1.2	1400	1570
33	1.0	7/0.43	1.29	0.6	0.12	1.8	27.8	0.3	29.2±1.2	1.3	32.0±1.3	1390	1580
37	1.0	7/0.43	1.29	0.6	0.12	1.9	30.1	0.3	31.4±1.3	1.4	34.4±1.4	1820	2030
44	1.0	7/0.43	1.29	0.6	0.12	2.0	34.0	0.4	35.8±1.4	1.5	39.0±1.6	2290	2550

250V TTYC-S, TTYCY-S | Normal Type**250V FA-TTYC-S, FA-TTYCY-S | Flame Retardant Type****Construction Details**

- ① Conductor (Annealed copper wire, standard)
- ② PVC insulation (identified)
- ③ Twist (Pair, Triad, Quad)
- ④ Individual shield braid
- ⑤ Cabling (with filler)
- ⑥ Tape
- ⑦ PVC sheath
- ⑧ Metal wire braid armour (GSW)
- ⑨ Paint : End of "-YC-S" type
- ⑩ PVC outer sheath : End of "-YCY-S" type

Standard Applied

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

Identification of color

- Insulation color : White
- A core : Black Numbering (1A,2A,...) - B core : Red Numbering (1B,2B,...)
- C core : Black Numbering (1C) - D core : Black Numbering (1D)

No. of Cores	Conductor			Thickness of insulation	Dia.of copper wire for shield braid	Thickness of sheath	Nominal dia. over sheath	[FA]-TTYC-S		[FA]-TTYCY-S		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
Pr	mm²	EA/mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	kg/km
2	0.75	7/0.37	1.11	0.6	0.14	1.3	15.1	0.3	16.5±0.7	1.0	18.7±0.7	345	430
3	0.75	7/0.37	1.11	0.6	0.14	1.3	15.9	0.3	17.3±0.7	1.0	19.5±0.8	410	500
4	0.75	7/0.37	1.11	0.6	0.14	1.4	17.4	0.3	18.7±0.7	1.1	21.1±0.8	490	595
7	0.75	7/0.37	1.11	0.6	0.14	1.5	20.9	0.3	22.2±0.9	1.2	24.8±1.0	690	825
10	0.75	7/0.37	1.11	0.6	0.14	1.8	27.4	0.3	28.7±1.1	1.3	31.5±1.3	1070	1250
14	0.75	7/0.37	1.11	0.6	0.14	1.8	29.8	0.3	31.1±1.2	1.4	34.1±1.4	1400	1610
15	0.75	7/0.37	1.11	0.6	0.14	1.9	30.7	0.4	32.5±1.3	1.4	35.5±1.4	1495	1725
19	0.75	7/0.37	1.11	0.6	0.14	2.0	33.6	0.4	35.4±1.4	1.5	38.8±1.6	1780	2050
24	0.75	7/0.37	1.11	0.6	0.14	2.2	39.8	0.4	41.6±1.6	1.6	45.2±1.7	2300	2640
30	0.75	7/0.37	1.11	0.6	0.14	2.3	42.4	0.4	44.2±1.7	1.7	48.0±1.8	2680	3060
37	0.75	7/0.37	1.11	0.6	0.14	2.4	46.0	0.4	47.8±1.8	1.8	51.8±1.9	3170	3600
48	0.75	7/0.37	1.11	0.6	0.14	2.7	53.3	0.4	55.1±1.9	2.0	59.5±2.0	4090	4630