

250V MPYCSLA, MPYCYSLA | Normal Type

250V FA-MPYCSLA, FA-MPYCYSLA | Flame Retardant Type



Construction Details

- ① Conductor (Tinned annealed copper wire, standard)
- ② EPR insulation (identified)
- ③ Cabling (with filler)
- ④ Aluminum mylar common shield with drain wire (at least 0.5mm²)
- ⑤ Tape
- ⑥ PVC sheath : End of "-Y" type
- ⑦ Metal wire braid armour (GSW)
- ⑧ Paint : End of "-CS" type
- ⑨ PVC outer sheath : End of "-CYS" 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	Thickness of sheath	Nominal dia. over sheath	{FA}-MPYCSLA		{FA}-MPYCYSLA		Cable weight (approx.)	
	Nominal Sectional Area	No.& dia of Wire	Dia.				Armor		Armor with protective sheath		Armor	Armor with sheath
							Dia.of metal wire for braid	Nominal dia. over braid	Thickness of outer sheath	Nominal overall dia.		
EA	mm ²	EA/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	kg/km
2	1.0	7/0.43	1.29	0.6	1.1	8.9	0.3	10.2±0.4	0.9	12.0±0.5	160	200
4	1.0	7/0.43	1.29	0.6	1.1	10.1	0.3	11.4±0.5	0.9	13.4±0.5	210	260
7	1.0	7/0.43	1.29	0.6	1.2	12.1	0.3	13.4±0.5	0.9	15.4±0.6	290	355
12	1.0	7/0.43	1.29	0.6	1.3	15.7	0.3	17.0±0.7	1.0	19.2±0.8	445	530
19	1.0	7/0.43	1.29	0.6	1.4	18.5	0.3	19.8±0.8	1.1	22.2±0.9	615	725
27	1.0	7/0.43	1.29	0.6	1.6	22.3	0.3	23.6±0.9	1.2	26.2±1.0	845	985
37	1.0	7/0.43	1.29	0.6	1.7	25.0	0.3	26.3±1.1	1.3	29.1±1.2	1070	1240
44	1.0	7/0.43	1.29	0.6	1.8	28.2	0.3	29.5±1.2	1.3	32.5±1.3	1290	1490

250V TTYCS, TTYCYS | Normal Type**250V FA-TTYCS, FA-TTYCYS | Flame Retardant Type****Construction Details**

- ① Conductor (Annealed copper wire, standard)
- ② PVC insulation (identified)
- ③ Twist (Pair, Triad, Quad)
- ④ Cabling (with filler)
- ⑤ Common shield braid
- ⑥ Tape
- ⑦ PVC sheath
- ⑧ Metal wire braid armour (GSW)
- ⑨ Paint : End of "-YCS" type
- ⑩ PVC outer sheath : End of "-YCYS" 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]-TTYCS		[FA]-TTYCYS		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
1	0.75	7/0.37	1.11	0.6	0.14	1.1	8.8	0.3	10.1±0.4	0.9	12.1±0.5	180	230
1Tr	0.75	7/0.37	1.11	0.6	0.14	1.1	9.3	0.3	10.6±0.4	0.9	12.6±0.5	205	255
1Qd	0.75	7/0.37	1.11	0.6	0.14	1.1	10.0	0.3	11.3±0.5	0.9	13.3±0.5	230	285
2	0.75	7/0.37	1.11	0.6	0.14	1.2	12.7	0.3	14.1±0.6	1.0	16.3±0.7	255	330
3	0.75	7/0.37	1.11	0.6	0.16	1.2	13.5	0.3	14.9±0.6	1.0	17.1±0.7	295	375
4	0.75	7/0.37	1.11	0.6	0.16	1.3	15.0	0.3	16.3±0.7	1.0	18.5±0.7	405	490
7	0.75	7/0.37	1.11	0.6	0.16	1.4	17.7	0.3	19.0±0.8	1.1	21.4±0.9	545	650
10	0.75	7/0.37	1.11	0.6	0.18	1.6	22.8	0.3	24.1±1.0	1.2	26.7±1.1	800	945
14	0.75	7/0.37	1.11	0.6	0.18	1.6	24.4	0.3	25.7±1.0	1.2	28.3±1.1	935	1090
15	0.75	7/0.37	1.11	0.6	0.18	1.7	25.2	0.3	26.6±1.1	1.3	29.4±1.2	970	1145
19	0.75	7/0.37	1.11	0.6	0.18	1.8	27.5	0.3	28.8±1.2	1.3	31.6±1.3	1160	1340
24	0.75	7/0.37	1.11	0.6	0.20	2.0	33.1	0.4	34.9±1.4	1.5	38.3±1.5	1600	1860
30	0.75	7/0.37	1.11	0.6	0.26	2.1	35.5	0.4	37.3±1.5	1.5	40.7±1.6	1950	2230
37	0.75	7/0.37	1.11	0.6	0.26	2.2	38.4	0.4	40.2±1.6	1.6	43.8±1.7	2250	2570
48	0.75	7/0.37	1.11	0.6	0.26	2.4	44.3	0.4	46.1±1.7	1.8	50.1±1.8	2830	3240

250V TTYCSLA, TTYCYSLA | Normal Type**250V FA-TTYCSLA, FA-TTYCYSLA | Flame Retardant Type****Construction Details**

- ① Conductor (Annealed copper wire, standard)
- ② PVC insulation (identified)
- ③ Twist (Pair, Triad, Quad)
- ④ Cabling (with filler)
- ⑤ Aluminum mylar common shield with drain wire (at least 0.5mm²)
- ⑥ Tape
- ⑦ PVC sheath
- ⑧ Metal wire braid armour (GSW)
- ⑨ Paint : End of "-YCS" type
- ⑩ PVC outer sheath : End of "-YCYS" 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

- Identification of insulated cores
 - 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	Thickness of sheath	Nominal dia. over sheath	[FA]-TTYCSLA		[FA]-TTYCYSLA		Cable weight (approx.)	
	Nominal Sectional Area	No.& dia of Wire	Dia.				Armor		Armor with protective sheath		Armor	Armor with sheath
							Dia.of metal wire for braid	Nominal dia. over braid	Thickness of outer sheath	Nominal overall dia.		
Pr	mm ²	EA/mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	kg/km
1	0.75	7/0.37	1.11	0.6	1.0	8.1	0.3	9.4±0.4	0.8	11.2±0.4	140	180
1Tr	0.75	7/0.37	1.11	0.6	1.1	8.8	0.3	10.1±0.4	0.9	12.1±0.5	170	215
1Qd	0.75	7/0.37	1.11	0.6	1.1	9.5	0.3	10.8±0.4	0.9	12.8±0.5	190	240
4	0.75	7/0.37	1.11	0.6	1.3	14.4	0.3	15.7±0.6	1.0	17.9±0.7	335	410
7	0.75	7/0.37	1.11	0.6	1.4	17.1	0.3	18.4±0.7	1.1	20.8±0.8	460	560
10	0.75	7/0.37	1.11	0.6	1.6	22.1	0.3	23.4±0.9	1.2	26.0±1.0	665	805
14	0.75	7/0.37	1.11	0.6	1.6	23.7	0.3	25.0±1.0	1.2	27.6±1.1	790	935
19	0.75	7/0.37	1.11	0.6	1.7	26.6	0.3	27.9±1.1	1.3	30.7±1.2	985	1160
24	0.75	7/0.37	1.11	0.6	1.9	32.1	0.4	33.9±1.4	1.4	36.9±1.5	1400	1630
30	0.75	7/0.37	1.11	0.6	2.0	34.2	0.4	36.0±1.4	1.5	39.4±1.6	1610	1890
37	0.75	7/0.37	1.11	0.6	2.1	37.1	0.4	38.9±1.6	1.6	42.5±1.6	1880	2200
48	0.75	7/0.37	1.11	0.6	2.3	43.0	0.4	44.8±1.7	1.7	48.6±1.8	2410	2790

250V TTPYCS, TTPYCYS | Normal Type**250V FA-TTPYCS, FA-TTPYCYS | Flame Retardant Type****Construction Details**

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

- 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]-TTPYCS		[FA]-TTPYCYS		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
1	0.75	7/0.37	1.11	0.6	0.14	1.1	8.8	0.3	10.1±0.4	0.9	12.1±0.5	180	230
1Tr	0.75	7/0.37	1.11	0.6	0.14	1.1	9.3	0.3	10.6±0.4	0.9	12.6±0.5	205	255
1Qd	0.75	7/0.37	1.11	0.6	0.14	1.1	10.0	0.3	11.3±0.5	0.9	13.3±0.5	230	285
2	0.75	7/0.37	1.11	0.6	0.14	1.2	12.7	0.3	14.1±0.6	1.0	16.3±0.7	255	330
3	0.75	7/0.37	1.11	0.6	0.16	1.2	13.5	0.3	14.9±0.6	1.0	17.1±0.7	295	375
4	0.75	7/0.37	1.11	0.6	0.16	1.3	15.0	0.3	16.3±0.7	1.0	18.5±0.7	405	490
7	0.75	7/0.37	1.11	0.6	0.16	1.4	17.7	0.3	19.0±0.8	1.1	21.4±0.9	545	650
10	0.75	7/0.37	1.11	0.6	0.18	1.6	22.8	0.3	24.1±1.0	1.2	26.7±1.1	800	945
14	0.75	7/0.37	1.11	0.6	0.18	1.6	24.4	0.3	25.7±1.0	1.2	28.3±1.1	935	1090
15	0.75	7/0.37	1.11	0.6	0.18	1.7	25.2	0.3	26.6±1.1	1.3	29.4±1.2	970	1145
19	0.75	7/0.37	1.11	0.6	0.18	1.8	27.5	0.3	28.8±1.2	1.3	31.6±1.3	1160	1340
24	0.75	7/0.37	1.11	0.6	0.20	2.0	33.1	0.4	34.9±1.4	1.5	38.3±1.5	1600	1860
30	0.75	7/0.37	1.11	0.6	0.26	2.1	35.5	0.4	37.3±1.5	1.5	40.7±1.6	1950	2230
37	0.75	7/0.37	1.11	0.6	0.26	2.2	38.4	0.4	40.2±1.6	1.6	43.8±1.7	2250	2570
48	0.75	7/0.37	1.11	0.6	0.26	2.4	44.3	0.4	46.1±1.7	1.8	50.1±1.8	2830	3240