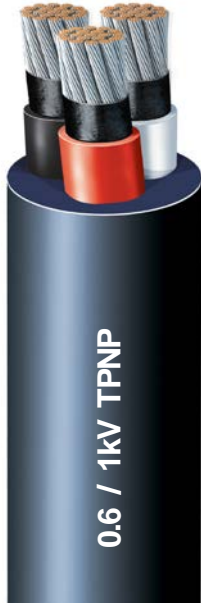


PORTABLE CABLE



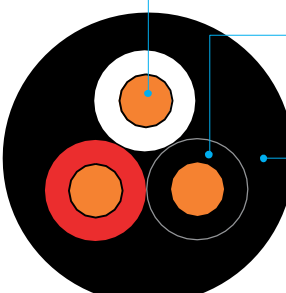
Cable Designation

0.6/1kV DPNP, TPNP, FPNP

Application Standard

- Design guide : JIS C 3410(2010)
- Cold bend / impact : CSA 22.2 No. 03 (-40°C/-35°C) (Cold Type Only)
- Max. rated conductor temperature : 90°C

Construction

Sectional view	Classification	Code	Construction detail								
	Conductor	D, T, F	- Stranded tinned annealed copper wires as per JIS C 3410(2010) - A suitable tape may be applied on the conductor								
	Insulation	P	- EPR as per JIS C 3410(2010)								
	Cabling		- Insulated conductors shall be cabled. - Flame retardant & non-hygroscopic fillers may be used. - Suitable tape(s) may be applied on the cabled core.								
	Sheath	NP	- PCP as per JIS C 3410(2010) - Outer sheath color : Black - Any other color may be applicable when purchaser required.								
Core identification			<table border="1"> <thead> <tr> <th>No. of cores</th> <th>Insulation Color</th> </tr> </thead> <tbody> <tr> <td>2C</td> <td>Black, White</td> </tr> <tr> <td>3C</td> <td>Black, White, Red</td> </tr> <tr> <td>4C</td> <td>Black, White, Red, Green</td> </tr> </tbody> </table>	No. of cores	Insulation Color	2C	Black, White	3C	Black, White, Red	4C	Black, White, Red, Green
No. of cores	Insulation Color										
2C	Black, White										
3C	Black, White, Red										
4C	Black, White, Red, Green										

0.6/1kV DPNP, 0.6/1kV TPNP, 0.6/1kV FPNP

No. of Cores	Conductor			DPNP, TPNP, FPNP		Conductor Resistance (at 20°C) (Max) Ω/km	Insulation Resistance (at 20°C) (Min) MΩ - km	Cable Weight (Approx.) kg/km
	Nominal Area mm ²	Strand No./mm	Dia. mm	Nominal Overall Dia. mm	Tolerance ±mm			
2	0.75	24/0.20	1.13	9.7	0.4	26.7	1,600	130
	1	32/0.20	1.27	9.9	0.4	20	1,500	135
	1.5	30/0.25	1.58	10.8	0.4	13.7	1,300	165
	2.5	49/0.25	2.02	11.8	0.5	8.21	1,100	205
	4	55/0.30	2.57	13.1	0.5	5.09	900	265
	6	82/0.30	3.14	14.5	0.6	3.39	800	340
3	0.75	24/0.20	1.13	10.2	0.4	26.7	1,600	145
	1	32/0.20	1.27	10.7	0.4	20	1,500	160
	1.5	30/0.25	1.58	11.4	0.5	13.7	1,300	190
	2.5	49/0.25	2.02	12.5	0.5	8.21	1,100	240
	6	82/0.30	3.14	15.6	0.6	3.39	800	420
4	0.75	24/0.20	1.13	11.3	0.5	26.7	1,600	180
	1	32/0.20	1.27	11.8	0.5	20	1,500	200
	1.5	30/0.25	1.58	12.6	0.5	13.7	1,300	235
	2.5	49/0.25	2.02	14.1	0.6	8.21	1,100	310
	4	55/0.30	2.57	15.6	0.6	5.09	900	410
	6	82/0.30	3.14	17.2	0.7	3.39	800	525

FLAME RETARDANT PORTABLE CABLE



Cable Designation

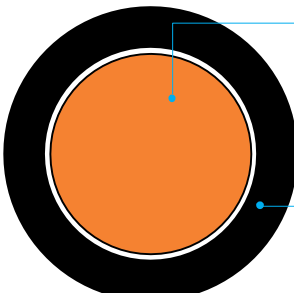
0.6/1KV SCP

0.6/1KV SYP

Application Standard

- Design guide : JIS C 3410(2010)
- Flame retardant : JIS C 3410(2010) (same as IEC 60332-1)
- Max. rated conductor temperature : 90°C (0.6/1kV SCP) / 75°C (0.6/1kV SYP)

Construction

Sectional view	Classification	Code	Construction detail
 <p>Conductor</p> <p>Insulation</p>		S	- Flexible Plained or tinned annealed copper wires as per JIS C 3410(2010) - A suitable tape may be applied on the conductor
		CP	- Flame retardant XLPE as per JIS C 3410(2010)
		YP	- PVC as per JIS C 3410(2010)

0.6/1kV SCP

Conductor Size	Diameter	Nominal Overall Dia.			Conductor Resistance (at 20°C) (Max)	Insulation Resistance (20°C)	Cable Weight (Approx.)
		mm	mm	±mm			
mm ²	Stranding	mm	mm	±mm	Ω/km	MΩ - km	kg/km
1.5	30/0.25	1.58	3.7	0.4	13.7	70	25
2.5	49/0.25	2.02	4.3	0.4	8.21	70	38
4	55/0.3	2.57	4.9	0.4	5.09	60	55
6	82/0.3	3.14	5.4	0.4	3.39	50	75
10	80/0.4	4.13	6.6	0.4	1.95	40	120
16	7/18/0.4	5.88	8.4	0.4	1.24	30	185
25	7/28/0.4	7.32	10.0	0.4	0.795	30	275
35	7/39/0.4	8.67	11.8	0.5	0.565	30	380
50	19/21/0.4	10.3	13.4	0.5	0.393	30	535
70	19/19/0.5	12.2	15.9	0.6	0.277	30	755
95	19/25/0.5	14.0	17.9	0.7	0.210	30	980

0.6/1kV SYP

Conductor Size	Diameter	Nominal Overall Dia.			Conductor Resistance (at 20°C) (Max)	Insulation Resistance (20°C)	Cable Weight (Approx.)
		mm	mm	±mm			
mm ²	Stranding	mm	mm	±mm	Ω/km	MΩ - km	kg/km
0.75	24/0.20	1.13	3.7	0.4	26.7	400	20
1.0	32/0.20	1.27	3.9	0.4	20.0	350	23
1.5	30/0.25	1.58	4.2	0.4	13.7	350	29
2.5	49/0.25	2.02	4.6	0.4	8.21	300	40
4	55/0.30	2.57	5.2	0.4	5.09	250	60
6	82/0.30	3.14	5.7	0.4	3.39	200	80
10	80/0.40	4.13	6.7	0.4	1.95	150	125
16	18/0.40	5.88	8.7	0.4	1.24	150	190