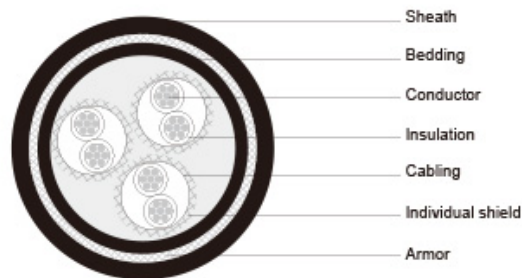


[FA-] TTY-S, TTYC-S, TTYCY-S [FA-]
TTPY-S, TTPYC-S, TTPYCY-S

**Standards:**

JISC 3410-1999
IEC 60332-1
IEC 60332-3 Cat.A(for FA-type)

CABLE CONSTRUCTION

Conductor	TT TTP	Tinned annealed stranded copper (TTY-type) Tinned annealed stranded copper (TTPY-type), class 2 according to IEC 60228
Insulation		60°C PVC(TTY-type)/ 85°C EPR(TTPY-type) as per JIS C 3401
Twisting		Two Insulated cores shall be twisted together to form a pair
Individual shield	-S	Tinned copper wire braid
Cabling		Twisted pairs shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Bedding	Y	PVC as per JIS C 3401
Armor	C	Galvanized steel wire braid
Sheath	Y	PVC as per JIS C 3401
Core identification		Printed pair number and Alphabet letter on the white insulation. ex) 4P : (1A, 1B), (2A, 2B), (3A, 3B), (4A, 4B) - 1T, 1Q cable shall be identified by the black number on the white insulation
Outer sheath color		Black

Cable Parameter

(FA-) TTY-S, TTPY-S

No. of pair, Triad or Quad	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	(FA-) TTY-S, TTPY-S		
	Size	Construction	O.D				Nom. overall dia	Tolerance	Cable Weight
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
2	0.75	7/0.37	1.1	0.7	0.14	1.3	14.4	0.6	200
4	0.75	7/0.37	1.1	0.7	0.14	1.4	17.4	0.7	370
7	0.75	7/0.37	1.1	0.7	0.14	1.5	20.9	0.9	550

10	0.75	7/0.37	1.1	0.7	0.14	1.8	27.4	1.1	880
14	0.75	7/0.37	1.1	0.7	0.14	1.8	29.8	1.2	1190
19	0.75	7/0.37	1.1	0.7	0.14	2	33.6	1.4	1470
24	0.75	7/0.37	1.1	0.7	0.14	2.2	39.8	1.6	1930
30	0.75	7/0.37	1.1	0.7	0.14	2.3	42.4	1.7	2280
37	0.75	7/0.37	1.1	0.7	0.14	2.4	46	1.8	2740
48	0.75	7/0.37	1.1	0.7	0.14	2.7	53.3	1.9	3590

(FA-) TTYC-S, TTPYC-S

No. of pair, Triad or Quad	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	(FA-) TTYC-S, TTPYC-S		
	Size	Construction	O.D					Nom. overall dia	Tolerance	Cable Weight
	mm ²	No./mm	mm					mm	mm	kg/km
2	0.75	7/0.37	1.1	0.7	0.14	1.3	0.3	16	0.7	320
4	0.75	7/0.37	1.1	0.7	0.14	1.4	0.3	18.7	0.7	490
7	0.75	7/0.37	1.1	0.7	0.14	1.5	0.3	22.2	0.9	690
10	0.75	7/0.37	1.1	0.7	0.14	1.8	0.3	28.7	1.1	1070
14	0.75	7/0.37	1.1	0.7	0.14	1.8	0.3	31.1	1.2	1400
19	0.75	7/0.37	1.1	0.7	0.14	2	0.4	35.4	1.4	1780
24	0.75	7/0.37	1.1	0.7	0.14	2.2	0.4	41.6	1.6	2300
30	0.75	7/0.37	1.1	0.7	0.14	2.3	0.4	44.2	1.7	2680
37	0.75	7/0.37	1.1	0.7	0.14	2.4	0.4	47.8	1.8	3170
48	0.75	7/0.37	1.1	0.7	0.14	2.7	0.4	55.1	1.9	4090

(FA-) TTYCY-S, TTPYCY-S

No. of pair, Triad or Quad	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) TTYCY-S, TTPYCY-S		
	Size	Construction	O.D						Nom. overall dia	Tolerance	Cable Weight
	mm ²	No./mm	mm						mm	mm	kg/km
2	0.75	7/0.37	1.1	0.7	0.14	1.3	0.3	1	18.1	0.8	375
4	0.75	7/0.37	1.1	0.7	0.14	1.4	0.3	1.1	21.1	0.8	595
7	0.75	7/0.37	1.1	0.7	0.14	1.5	0.3	1.2	24.8	1	825
10	0.75	7/0.37	1.1	0.7	0.14	1.8	0.3	1.3	31.5	1.3	1250

14	0.7 5	7/0.37	1.1	0.7	0.14	1.8	0.3	1.4	34.1	1.4	1610
19	0.7 5	7/0.37	1.1	0.7	0.14	2	0.4	1.5	38.8	1.6	2050
24	0.7 5	7/0.37	1.1	0.7	0.14	2.2	0.4	1.6	45.2	1.7	2640
30	0.7 5	7/0.37	1.1	0.7	0.14	2.3	0.4	1.7	48	1.8	3060
37	0.7 5	7/0.37	1.1	0.7	0.14	2.4	0.4	1.8	51.8	1.9	3600
48	0.7 5	7/0.37	1.1	0.7	0.14	2.7	0.4	2	59.5	2	463