

SPREADER CABLE FOR BASKET – 0.6/1kV



Cable Type:	TSCB
Standards:	IEC 60502-2, VDE 0250-814
Specification:	TMCRS-14029
Application:	Flexible power cable for use on basket spreader system gantry crane, etc.

Electrical Properties

Rated Voltage(U ₀ /U)	0.6/1kV
AC Test Voltage	3.5kV/5min.
Current Rating(A)	IEC 60364-5-52

Thermal Properties

Maximum Conductor Temperature	
•Normal Operation	90°C
•Short-Circuit(5s)	250°C
Ambient Temperature	
•Moved	-25°C to +60°C
•Not Moved	-40°C to +80°C

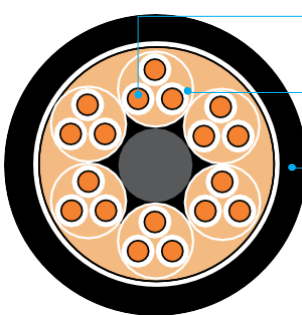
Mechanical Properties

Tensile Stress	Max. 15N/mm ²
Bending Radius	Min. 15 x D (D : Cable diameter)
Torsion Stress	Max. ±100°/m
Traveling Speed	Max. 70m/min.(up to 12C) Max. 120m/min.(above 15C)
Additional Tests	Bending, Torsion

Chemical Properties

Oil Resistance	IEC 60811-2-1
Flame-Retardant	IEC 60332-1
Weather Resistance	Ozone, UV

Construction

Sectional View	Classification	Construction Detail
	Conductor	Flexible tinned copper, IEC 60228 Class 5
	Insulation	EPR, better than IEC 60502-1
	Sheath	SE1, better than IEC 60502-1
	Core Identification	Black numbering
	Marking	TSCB 0.6/1kV Number of cores x cross-section TMC Year length

TSCB Spreader Cable for Basket, 0.6/1kV

Number of Core and Nominal Cross-Section	Conductor		Overall Diameter		Net Weight	Tension Stress
	Diameter (Approx)	Resistance (At 20°C)	Min.	Max.	Approx.	Max.
mm ²	mm	Ω/km	mm	mm	kg/km	N
6 x 1.5	1.6	13.70	13.6	15.9	300	135
6 x 2.5	2.0	8.21	15.6	18.1	410	225
6 x 4	2.6	5.09	18.9	21.6	590	360
6 x 6	3.1	3.39	20.8	23.7	770	540
9 x 1.5	1.6	13.70	16.6	19.1	440	203
9 x 2.5	2.0	8.21	19.4	22.1	630	338
9 x 4	2.6	5.09	23.7	26.8	920	540
9 x 6	3.1	3.39	26.3	29.4	1,190	810
12 x 1.5	1.6	13.70	19.9	22.6	620	270
12 x 2.5	2.0	8.21	23.5	26.4	890	450
12 x 4	2.6	5.09	28.8	32.1	1,300	720
12 x 6	3.1	3.39	32.0	35.5	1,690	1,080
4 x 3 x 1.5	1.6	13.70	21.5	24.3	650	270
4 x 3 x 2.5	2.0	8.21	25.4	28.4	930	450
4 x 3 x 4	2.6	5.09	31.1	34.5	1,360	720
4 x 3 x 6	3.1	3.39	34.5	38.1	1,770	1,080
5 x 3 x 1.5	1.6	13.70	24.3	27.4	790	338
5 x 3 x 2.5	2.0	8.21	28.1	31.4	1,100	563
5 x 3 x 4	2.6	5.09	34.7	38.4	1,640	900
5 x 3 x 6	3.1	3.39	38.7	42.6	2,150	1,350
6 x 3 x 1.5	1.6	13.70	26.8	30.1	960	405
6 x 3 x 2.5	2.0	8.21	31.0	34.5	1,340	675
6 x 3 x 4	2.6	5.09	38.4	42.3	2,000	1,080
6 x 3 x 6	3.1	3.39	42.6	46.7	2,610	1,620
6 x 4 x 1.5	1.6	13.70	29.4	32.7	1,180	540
6 x 4 x 2.5	2.0	8.21	34.3	38.0	1,690	900
6 x 4 x 4	2.6	5.09	42.6	46.7	2,530	1,440
6 x 4 x 6	3.1	3.39	47.2	51.7	3,320	2,160
6 x 5 x 1.5	1.6	13.70	32.4	35.9	1,450	675
6 x 5 x 2.5	2.0	8.21	37.9	41.8	2,070	1,125
6 x 5 x 4	2.6	5.09	46.9	51.4	3,110	1,800
6 x 6 x 1.5	1.6	13.70	35.7	39.4	1,740	810
6 x 6 x 2.5	2.0	8.21	42.0	46.1	2,500	1,350
6 x 6 x 4	2.6	5.09	51.9	56.6	3,760	2,160

Note: Additional sizes applicable upon request.