



DEMES KABLO SAN. VE TIC LTD. STI  
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CUSTOMER	:	-
DATE	:	22.06.2022
NO	:	2206-034
REV	:	00

## TRI RATED CABLE

BS 6231

### CONSTRUCTION

CONDUCTOR	Fine-Stranded Annealed Copper Conductor (IEC 60288-Class 5)		
INSULATION	PVC Compound	Red-Blue-Yellow-Black-Grey-Y/G	TI3 (EN 50363-3)

### PHYSICAL&ELECTRICAL CHARACTERISTICS

MAX. CONTINUOUS OPERATION TEMPERATURE OF CONDUCTORS	105°C		
MAX. CONDUCTOR TEMPERATURE DURING SHORT CIRCUIT	160°C		
NOMINAL VOLTAGE	600/1000 V		
TEST VOLTAGE	3500 V		
OPERATING TEMPERATURE	Fixed	-30°C ... +105°C	Flexible -5°C ... +105°C
MINIMUM BENDING RADIUS	10 X D		

### FIRE PERFORMANCE CHARACTERISTICS

FLAME RETARDANT	IEC 60332-1		

### OTHER CHARACTERISTICS


### MARKING

DEMES KABLO TRI RATED CABLE Number of Cores X CSA Nom. Voltage CE ROHS Batch Number Date Meter Marking

### DIMENSIONS

Number of Core and Cross Section Area (mm <sup>2</sup> )			Nom. Insulation Thickness (mm)	Approx. Overall Diameter (mm) (±5%)	Approx. Cable Weight (kg/km)	Max. Conductor Resistance DC at 20°C (Ohm/km)
1	x	0,5	0,80	2,50	11	39
1	x	0,75	0,80	2,70	14	26
1	x	1	0,80	2,90	17	19,5
1	x	1,5	0,80	3,10	22	13,3
1	x	2,5	0,80	3,60	32	7,98
1	x	4	0,80	4,10	46	4,95
1	x	6	0,80	4,70	65	3,3
1	x	10	1,00	6,10	111	1,91
1	x	16	1,00	7,20	167	1,21
1	x	25	1,20	8,80	257	0,78
1	x	35	1,20	10,80	353	0,554
1	x	50	1,40	12,60	502	0,386
1	x	70	1,40	14,70	694	0,272
1	x	95	1,60	17,20	919	0,206
1	x	120	1,60	18,40	1152	0,161
1	x	150	1,80	20,70	1437	0,129
1	x	185	2,00	23,60	1760	0,106
1	x	240	2,20	26,40	2317	0,0801