

# TC12

## EN 50264

### CONSTRUCTION

Tinned Copper Wire Conductor BS6360 Class 5  
Dual Extruded layer of LFH Insulation

### SPECIFICATION

EN 50264

### SCOPE

Traction/Vehicle Cable. Low Smoke/Zero Halogen. 0.6 / 1.0 kV

Small size, low weight and high flexibility make it an ideal choice for areas where space is limited and weight is critical. Its superior fluid resistance, operating temperature and voltage range allow TC12 to be used in any environment.

Operating Temperature from -30°C to +105°C Continuous (20,000 hours @ 120°C)  
600/1000V. Test Voltage 6kV AC

Good resistance to fuels, diesel, engine, transformer and hydraulic oils.

Fire Performance : BS6853 Cat. 1a, 1b & 2. NF F 16 101 F0

Flexibility : <500,000 cycles to IEC227

Note : 1.8 / 3.3 kV version also available to special order

Standard colour - Black

Conductor			Finished Cable		
Area mm <sup>2</sup>	Strand mm	Max. DC Conductor Resistance @ 20°C Ω/Km	AMP Rating	O/Dia. Nom. mm	Max. Weight. Kg / km
0.50	16/0.20	40.10	005	02.50	11
0.75	24/0.20	26.70	007	02.70	14
1.00	32/0.20	20.00	013	03.00	18
1.50	30/0.25	13.70	017	03.30	22
2.50	50/0.25	8.21	023	03.80	33
4.00	56/0.30	5.09	030	04.30	49
6.00	84/0.30	3.39	042	05.10	75
10.00	80/0.40	1.95	060	06.50	124
16.00	126/0.40	1.24	081	07.70	183
25.00	196/0.40	0.795	110	09.60	282
35.00	276/0.40	0.565	140	11.10	389
50.00	396/0.40	0.393	180	12.90	551
70.00	360/0.50	0.277	225	15.00	747
95.00	475/0.50	0.210	270	16.80	975
120.00	608/0.50	0.164	320	18.70	1229
150.00	756/0.50	0.132	656	21.10	1538
185.00	925/0.50	0.108	750	22.90	1859
240.00	1221/0.50	0.0817	906	26.20	2444
300.00	1525/0.25	0.0654	1051	29.00	3031
400.00	2013/0.50	0.0495	1278	34.50	3987

Minimum Bending Radius : Flexing : D≤10mm 3 x D      Static : D≤10mm 3 x D  
D>10mm 5 x D      D>10mm 4 x D

Note : this cable has been endorsed by Qinetiq as suitable for use as a replacement for Unipren cable to BS2E21 (now obsolete). It combines the advantages of excellent flexibility and fluid resistance with a zero halogen composition.

Also Available : TC1-04 ; 600V EQUIPMENT WIRE, OHAL  
TC1-05 ; 500V, 1500V & 3000V TRACTION POWER CABLE OHAL

## CONTACT US NOW FOR A QUOTATION

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