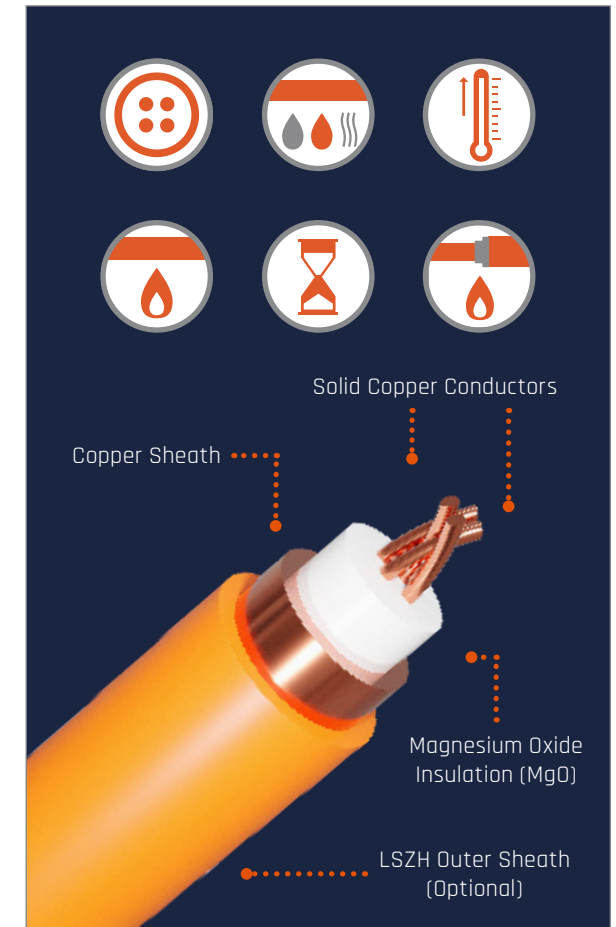


**Country of Origin, Construction, Approvals & Fire Performance**

Manufacturer	Place of Manufacture
Wrexham Mineral Cables	United Kingdom
Cables Manufactured to	Cable Type – Known as “Fire Survival Cable”
BSEN 60702-1:2002+A1:2015	Fire Resistant exceeding 3 hours @ 950°C
Continuous Operating Temperature	LPCB Product Approval Number
-40°C up to 250°C	333a/01
Applicable Standards	
BS5839-1:2017 Enhanced to Clause 26.2, BS EN 50200:2015, BS 8434-2:2003 + A2:2009, BS6387:2013 C,W & Z, BS 60331	
LPCB Approved Marking on Cables	Insulation
WMIC, WMC “Made in the UK”	Highly compressed magnesium oxide (MgO)
Hazardous area cable system ATEX / IEC Ex APPROVED UNDER SIRA LICENCE 1305X & IEC Ex SIR 19.0051X	
Apparatus (type of protection ‘d’) Zones 1 & 2, Groups IIA, IIB and IIC. Zones 20, 21 & 22, groups IIIA, IIIB & IIIC. In compliance with EN 60079	
Copper Conductor Plain Annealed to IEC 60228 Type 1 Solid	Seamed Copper Sheath Construction
Cu - ETP or Cu - FRHC	C12200 grade, Cu - DHP
Number of Cores	
4 Twisted	



### Electrical Properties

Four core Twisted Light Duty MICC cables	Voltage Rating (V)	Test Voltage (Factory Internal D.C Test) (V)	Current Rating Bare or Served Cables Exposed to Touch (Amps)		Voltage Drop Cables Exposed to Touch (Per Amp/Per m)	Max Conductor Resistance Ohms per 1000m @ 20°C	Copper Sheath Resistance @ 20°C Ohms/Km	Earth Fault Loop Impedance Resistance @ 70°C (R1+R2) Ohms/Km
			Bare	Served				
4T1.5	500	3000	17.5	19.5	24	12.1	2.33	17.416

### Electrical screening performance

Four core Twisted Light Duty MICC	CAP - C/C @ 10k-Hz	CAP - C/SH @10k-Hz	IND-LOOP @10k-Hz	CHARACTER IMP Ohms	Frequency of twists Per m
4T1.5	180 - 216pF/m	290pF/m	520 uH/Km	48	20

### Mechanical Properties

Four core Twisted Light Duty MICC cables	Cable Diameter		Conductor Diameter (mm <sup>2</sup> )	Copper Sheath Mean Thickness (mm)	Nominal Insulation Thickness (MgO) (mm)	Mean Serving Thickness (LSZH Optional Outer Covering) (mm)	Approx Weight per 1000m (Kg)		Minimum Bend Radius (6 Times Diameter of Cable) (mm)
	(mm)						Bare	Served	
	Bare	Served							
4T1.5	7.0	8.5	1.5	0.50	0.75	0.65	209	243	42

### Product Part Codes

Four core Twisted Light Duty MICC cables	WMC Cable Part Code for Bare or CC MICC  Cable Size Followed By	WMC Cable Part Code for LSZH Served or CCM MICC  Cable Size Followed By	IEC Ex & ATEX Approved Cable Gland  WRGM	Seal Kits WRPS Plain or WRPSL E/T  WRPS/ WRPSL	Shrouds (PVC)  WRHG	Shrouds (LSZH)  WRHGMM	Lockwasher WRLM or WRLWS Serrated Washer  WRLM/ WRLWS	Bare Single Clips (P Clips) 1 Clip Every 0.4m  WRC	LSZH Single Clips (P Clips) 1 Clip Every 0.4m  WRCHL	Bare Two Way Clips (Saddles) 1 Clip Every 0.4m  WRS	LSZH Two Way Clips (Saddles) 1 Clip Every 0.4m  WRSFL
4T1.5	BARE/*	LSF/**/*	4L1.5/20	4L1.5	20/**	20/**	20	28	34/**	302	342/**

\* D or C depending on drum or coil | \*\* Cable colour e.g. RD = RED, OE = ORANGE, BK = BLACK, WE = WHITE