

# URM43 50 Ω BS2316 91% Braid LSZH FireFighter™



Cable Construction		Electrical Characteristics		
Inner Conductor	Solid soft annealed copper, 1/0.9mm	Mean characteristic impedance	50 ± 2 Ohm	
Dielectric	Solid Polyethylene, Ø 2.95 ± 0.15mm	Regularity of Impedance	> 40 dB	
Braid	Bare copper braid, Ø 3.63mm	DC resistance inner conductor	≤ 28 Ohm/km	
Braid coverage	91 ± 4 %	Capacitance	98 ± 5 pF/m	
Outer Jacket	LSZH FireFighter™, Black, Ø 5.0 ± 0.15mm	Nom. Velocity of propagation	66 %	
<b>Mechanical &amp; Thermal Characteristics</b>		Insulation resistance	> 2.10 <sup>4</sup> MOhm.km	
Crush	< 1% (load of 700 N)	Voltage rating	DC	4 kVdc
Temp. Range	Storage / Operating -40°C up to +70°C		RMS	2 kVrms
Min. Installation Temp.	-5°C	Return loss	5-30 MHz	≥ 20 dB*
Min. static bend radius	25 mm		30-470 MHz	≥ 20 dB*
Tensile strength	≥ 12.5 N/mm <sup>2</sup>		470-1000 MHz	≥ 18 dB*
Elongation at break	≥ 150 %	Nominal Attenuation	100 MHz	13.0 dB/100m
			200 MHz	18.7 dB/100m
			300 MHz	23.2 dB/100m
			600 MHz	33.8 dB/100m
			1000 MHz	44.6 dB/100m

\* Max. 3 peak values 4 dB lower than specified