



LSZH ecoflex red series

Mechanical Specifications - Individual Cores

Conductor	Material	Tinned oxygen free copper
	Stranding	7x 0.12mm (0.08mm ²) AWG 30/7
Dielectric	Material	Foam skin Polyethylene
	Average thickness	0.60 mm
	Diameter	1.60mm ±0.05
Screen	Material	Tinned oxygen free braided copper wire
	Coverage	95%
	Dimension	16x5x0.10mm
Overall Jacket	Material	SHF1 LSZH thermoplastic polymer
	Average thickness	0.30 mm
	Overall diameter	2.60 ±0.10 mm

Mechanical Specifications - Tracer wire (5 way only)

Conductor	Material	Tinned oxygen free copper
	Stranding	7x 0.20mm (0.22mm ²) AWG 24/7
Dielectric	Material	SHF1 LSZH thermoplastic polymer
	Average thickness	0.26mm
	Diameter	1.10mm
Colour	Orange	

Mechanical Specifications - Multicores

	2-way	5-way
Stock Code	278-302-020	278-305-020
Coax Colours	White, Yellow	Red, Green, Blue, Black, White
Material	SHF1 LSZH polymer Ruby Red RAL 3003	
Thickness (ave)	0.90 mm	1.00 mm
Overall diameter	7.30 mm	9.60 mm
Bend radius	15 x overall diameter	
Weight	94 Kg/Km	119 Kg/Km

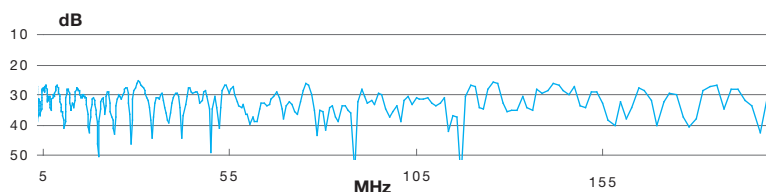
Physical properties unaged

Jacket (@ 60°C)	Tensile strength	9N/mm ²
	Elongation	> 125%
	Heat Shock Test	150°C x 1 hour / No cracks

Electrical Specifications

Resistance	Conductor	225 Ohm/km		
	Shield	32 Ohm/km		
	Insulation	> 5000 MOhm/km		
Voltage test	1000V DC 1 minute OK			
Capacitance	56.5 pF/m			
Velocity of propagation	78%			
Impedance at 10MHz	75 Ohms ±2			
Attenuation	5 MHz	4.91 dB/100m	10 MHz	6.99 dB/100m
	50 MHz	15.77 dB/100m	100 MHz	22.74 dB/100m
	135 MHz	26.64 dB/100m	180 MHz	30.99 dB/100m

Structural return loss



Stock code	Description
278-302-020	Van Damme Red Series Plasma Grade mini coax Ecoflex LSZH 2 way
278-305-020	Van Damme Red Series Plasma Grade mini coax Ecoflex LSZH 5 way
<i>Maximum reel length 500 metres</i>	