

Protection for your cabling

Technical Data for Cablelay Class 'O'

Density		90-100Kgm ⁻³
Thermal Conductivity	BS874 Part 2 1986 @ 0°C @+20°C @+40°C	0.035 Wm ⁻¹ K ⁻¹ 0.037 Wm ⁻¹ K ⁻¹ 0.039 Wm ⁻¹ K ⁻¹
Water Vapour Permeability	Moisture Resistance Factor BS EN ISO 9346:1996 BS4370 Part 2 1973	μ > 5000 3.6 x 10 ⁻¹⁴ Kg / (m s Pa) 0.13 μg / (N h)
Water Absorption	By Volume after 28 days	0.9% Average. 1.5% Maximum.
Resistance to chemicals		Consult product test list
Ozone Resistance	ASTM D 1171	No Cracking
Resistance to building materials		Very good
Temperature Range		Minimum line temp -40°C* Maximum line temp +105C Flat surface & tape +85C
Fire Performance	BS476 Part 7 1987 Surface spread of flame	Class '1'
Fire propagation	BS476 Part 6 1989 Total Index I Sub Index i ₁	Less than 12 Less than 6
Building Regulations	1991 (England and Wales)	Class 'O'
Building Standards	1990 (Scotland)	Class 'O'
Compression Set	DIN 53572 (22h/50%/24h)	20%
Compression Stress	DIN53577 (30%) (50%) (70%)	40 KPa 85 KPa 190 KPa
Tensile Strength	DIN 53571 (Lengthwise) (Crosswise)	0.42 Nmm ⁻² 0.30 Nmm ⁻²
Elongation at Break	DIN 53571	

LS1102 Cablelay – CL Specification

All data and technical information is based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us whether or not the data and information applies to the intended application area.