

**CONLink®, CONFill®, CONGuard® LSF SOLUTIONS**

APPLICATION	REFERENCE	TENSILE STRENGTH MPa	ELONGATION %	TEAR STRENGTH N/mm MPa	LOI %	MOONEY VISCOSITY	COMMENTS
<b>Communication cables</b>							
Data	S6615LDD	12	180	5,6	40	42	Low drool, high speed, good diameter control
Data	S6680	11	250		32	35	Similar to above but with higher flexibility for patch cords
Data	S6650 S LDD UV	11	160	6	45	33	CPR Class C and B2 compound
Optical fibre sheathing	S6610LDD UV	11	170	5,6	37	40	High speed, low drool, low shrinkage, good diameter control +UV additive
Optical fibre sheathing	S8541 LDD UV	12	170		49	40	High fire performance alternative to the above, very low shrinkage.
Optical fibre tight buffer	I6541 LDD TB	12	170		45	MFI 1,5	Very low shrinkage good adhesion and ovality .No die drool. Thin wall
Optical fibre sheathing	S 6650 MAA LDD UV	10,5	165		45	45	Designed for CPR Class C+B2 constructions.
<b>LV Power cables</b>							
Thermosetting insulation	I4100	13,5	190		32		Ambient cure cross- linkable fire retardant insulation material designed to meet BS 7211.
Fire integrity	CONFill 5361				80	25	Premium fire retardant bedding compound
Fire integrity	S6620S	13	200	6	37	35	Good general purpose easy flow material meeting LTS1-4. Good stress crack resistance.
Fire integrity	S6650S LDD UV	12,5	160		50	42	High flame retardancy designed to meet BS 7629 CWZ. Good char.
Premium sheathing	S6545 N	12	150		43	40	Good flame retardancy with char promoter
Premium sheathing	S6640S N	12	200	25	38	42	Very good char forming compound with Char promoter.
House wiring	I 4000	20	550			MFI 0.6	Ambient cure cross-linkable XLPE insulation material
House wiring	CONFill 640				45	25	Flame retardent bedding compound
House wiring	S6610/1	8	180	5,6	38	35	BS7655 LTS2. Designed for easy stripping of sheath
Flexible power cords	S6680	11	250		32	42	Highly flexible PVC replacement. Passes 30,000 cycle flex test.
Photo voltaic	PV 5000SC	11	220		32	38	Ambient cure cross-linkable. Good flexibility and surface finish. Meets TÜV 2 Pfg 1169/08.2007
<b>Transport</b>							
Automotive	I 4500	13	260		28		3000 hours@125°C PP/MDH compound complies to ISO 6722/LV112
Automotive	I 4950	11	150		26		E-beam cross-linkable, 3000 hours@150°C HDPE/MDH compound complies to ISO 6722-1/LV112
Rolling stock	S 4200	11	160		35		Ambient cure cross-linkable. Good flexibility and resistance to fluids. Meets EN 50306, EN 50264
Rolling stock	I4100 UL	13,5	189		35		Cross-linkable moisture curing 120°C rated oil resistant LSFOH compound.
Rolling stock	S 7802	10,5	165		35		Peroxide cure crosslinkable. Good flexibility and resistance to fluids. Meets EN 50306, EN 50264.
<b>Marine</b>							
Shipboard	CONFill 5212				60	20	Premium fire retardant bedding compound
Shipboard	S4200	11	160		35		Ambient cure cross-linkable. Good flexibility and resistance to fluids. Meets SHF2.
Shipboard	S 6542	11	160		45		High flame retardant thermoplastic LSFOH sheathing. Good oil resistance
<b>Specials</b>							
Conduit and tube	D-CD 0710	14	445		34		Excellent processing, superior surface finish high rigidity.
Pre-wired conduit	S8860S	12,5	200	8,5	37	46	High tear strength, tough sheathing material meeting LTS1-4
Oil platforms	S4310	11	175		36	80	Silane cross linkable. Drilling mud oil resistant to NEK 606
Marine Shipboard	S8895	10	180		33		Highly Oil Resistance, flexible, thermoplastic LSFOH sheathing compound, e-beam crosslinkable, MFR 600
Defence	S8890EB	10	180		37	80	Irridiation cure cross linkable. Drilling mud resistant acc. to NEK 608. Fluid resistant acc. VG 95218/2