

Insulative Tapes

Scapa Insulative cable wrapping tapes perform a wide variety of functions including sacrificial curing (autoclave curing), binding, bedding, separating, and core identification. They are also used for laminating to sheathing to improve performance in cold impact testing.

Whilst generally these products act as a barrier to extrudate penetration, versions are available with pinholes where the venting of volatiles is an important consideration.

Using woven Nylons and Polyesters this range offers high strength performance when used for binding applications and includes BT1 Bituminised Hessian for armour bedding and lead sheath protection within paper insulated cables.

INSULATIVE TAPES					
CODE	CABLE TYPE/APPLICATION	TENSILE STRENGTH (N/cm)	WEIGHT (g/m ²)	SUBSTRATE	THICKNESS (mm)
CT22/65	General-purpose binding	>100	80	Woven nylon	0.10
CT90/80	General-purpose binding	>100	80	Woven polyester	0.10
CT84/80	General-purpose binding	>100	64	Woven polyester	0.11
CT50/113	Binding and bedding	>105	130	Woven polyester/nylon	0.17
BT1	Armour bedding and corrosion protection	>110	570	Woven hessian	0.80

Insulative Tapes – Key Features & Benefits

- Ensures concentricity of the cable is maintained during the vulcanisation of rubber elastomeric cables.
- Helps overall cable flexibility by letting the cores slide more easily against each other.
- Prevents over-extrusion material penetrating core gaps.
- Protects heat damage to core insulation by acting as a barrier to high temperature over-extrusion processes, e.g. lead or aluminium.
- Protects inner and outer sheaths from cutting in steel armoured cables.
- High tensile strength helps prevent bird-caging.

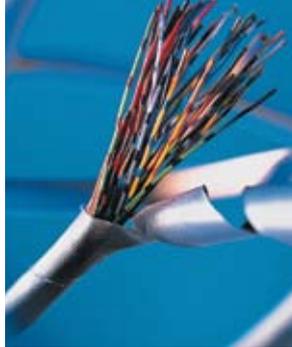


CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS
FEEDER PILLARS, FUSE LINKS, ARC FLASH, CABLE ROLLERS, CUT-OUTS

11KV 33KV CABLE JOINTS & CABLE TERMINATIONS
FURSE EARTHING
www.cablejoints.co.uk
Thorne and Derrick UK

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Water Swellable

Water Swellable tapes are designed to prevent water ingress into fibre optic, copper data/telecom and power cables.

Using superior super absorbent polymers (SAP) gives these tapes premium performance during the critical first minute of response to water. The SAP is laminated and evenly distributed between various non-woven materials so that all the SAP contributes efficiently to the water blocking properties of the tape. Water swellable tapes are available in insulative, semi-conductive, laminated and marine versions to suit the cable application.

WATER SWELLABLE						
CODE	CABLE TYPE/APPLICATION	SWELLING HEIGHT (1 min/mm)	SWELLING HEIGHT (10 min/mm)	TENSILE STRENGTH (N/cm)	WEIGHT (g/m ²)	THICKNESS (mm)
WSD242	INSULATIVE General-purpose water blocking	10	11	25	65	0.28
WSD244		20	20	25	85	0.30
WSD251		6	7	25	60	0.25
WSD252		10	11	25	65	0.28
WSD253		15	17	25	76	0.28
WSD282		10	11	40	87	0.36
WSD284		20	21	40	110	0.40
WSD291		HIGH STRENGTH INSULATIVE Water blocking for helical application	6	7	50	72
WSD292	10		11	50	77	0.36
WSD293	14		15	50	88	0.38
WSD294	20		21	50	97	0.40
WSC241	SEMI-CONDUCTIVE General-purpose core screen water blocking	6	7	30	76	0.21
WSC242		10	11	30	90	0.25
WSC243		15	17	30	95	0.28
WSC244		21	22	30	100	0.30
WSC291	HIGH STRENGTH SEMI-CONDUCTIVE Water blocking core screen for helical application	6	7	50	91	0.34
WSC292		10	11	50	96	0.35
WSC293		14	15	50	110	0.39
WSC294		20	21	50	120	0.40
WSL2250	LAMINATED Swell tape with PET film to prevent migration of gel filling or plasticiser	3	5	25	65	0.26
WSL2252		5	7	25	75	0.25
WSL3252		7	9	55	110	0.30
WSM102	MARINE cable water blocking	1.3	1.5	25	82	0.40



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