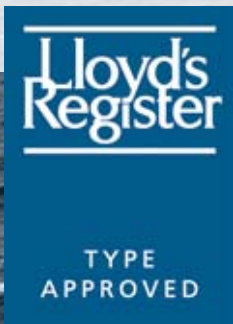


Cable Protection

for maritime applications and extreme conditions





Embark on optimisation

Conduits for electrical installations are indispensable for the protection of cables against mechanical damages and facilitate the organisation of wiring bundles. Compared to steel, installation conduits manufactured from halogen-free plastics optimise the mounting of cables:

- considerable reduction of weight
- absolutely rust-proof
- insulating properties
- simple installation and maintenance

Univolt HFT®

Our branded products Univolt HFT® belong to the most advanced plastic systems available for electrical installations. All products manufactured under this product line are

- halogen-free
- flame retardant
- temperature resistant

Optimised Cable Protection

Our conduits offer the same mechanical resistance against compression and impact forces like steel systems. Additionally, the material reduces the abrasion on cables caused by movements and temperature induced elongations.

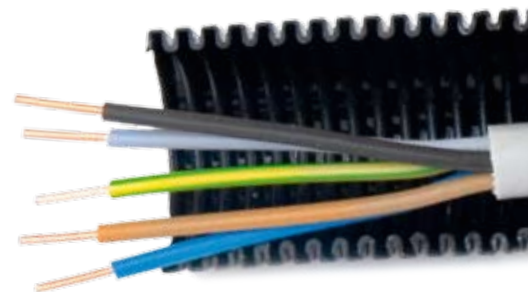
Optimised Characteristics

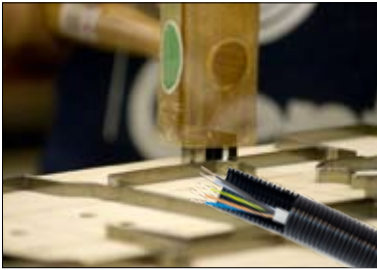
Where chemical resistance and UV stability are required, Univolt protection systems comply with all necessary requirements and constitute the ideal complement for halogen-free cables.

Optimised Safety

Compared to conventional plastics our halogen-free protective conduits release significantly less smoke in case of fires. This means for any form of maritime applications increased safety for human lives, technical equipment and valuable assets.

Consequently, this also contributes to the overall operational safety.





Compression and impact resistant.
Univolt HFT® conduits are available with a compression resistance higher than 320N, 750N and 1250N and withstand impact forces between 1J and 6J.



Temperature resistant.
Apart from a general temperature resistance between -25°C and +105°C we also offer standard types with a temperature range from -45°C to +150°C.



Splash and jet waterproof.
Conduits and accessories with protection degrees IP 54 and IP 65.

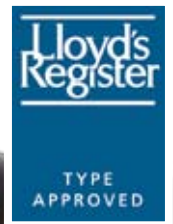
Comparison: Weight

100m of protective conduit (Ø 20mm), with same mechanical properties (compression resistance 1250 N)



Per 100m of protective conduit

- ① weight saving
- ② rust proof
- ③ insulating
- ④ flame retardant
- ⑤ maintenance free
- ⑥ UV stabilised



- ⑦ chemically resistant
- ⑧ seawater-proof
- ⑨ low smoke release
- ⑩ temperature resistant
- ⑪ easy to install

Univolt HFT®

Dietzel Univolt is world-wide leading manufacturer of cable management and conduit systems and specialised in providing products for increased safety requirements. The focus of our efforts is to come up with innovative technologies and tailored solutions, thus offering our customers preference services.

Versatile Product Range under Lloyd's Register:



Rigid conduits

For installations on surface or within field of vision



Pliable and flexible conduits

For installations in boardings and for extreme conditions



Accessories

Comprehensive range for various requirements

Compression force	Rigid Conduits	Pliable Conduits	Flexible Conduits
320 N	HFIRM**, Ø 16mm - 50mm		HFXS*, Ø 16mm - 63mm
750 N	HFPRM, Ø 16mm - 63mm	HFXP*, HFXP-HT*, Ø 16mm - 63mm	
1250 N	HFBS, Ø 16mm - 50mm		
Accessories:			
Couplers	HFSM	HFSM, KM	HFSM, KM
Clips	HFCL	HFCL, HFS	SCLX
Boxes	PKGH	PKGH	PKGH
Bends	HFSB		
Glands		HGL, HEG, HFL	SGL, SEG, SFL, SKEG, SKGL

* Items comply with LSF0H requirements

**also available as LSF0H version

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