DIETZEL UNIVOLT

Austrian Cable Management Systems

Flexible

fast

halogen-free

XReme

The Lightest. With glide core. Halogen-free.

Halogen-free, pliable, corrugated conduit, light gauge, with glide core

Universal isolating conduit light gauge, for concealed cabling, surface installation on plaster and hollow walls and subsurface

EN 61386-22, EN 50642, EN 60754, EN 61034

with glide core

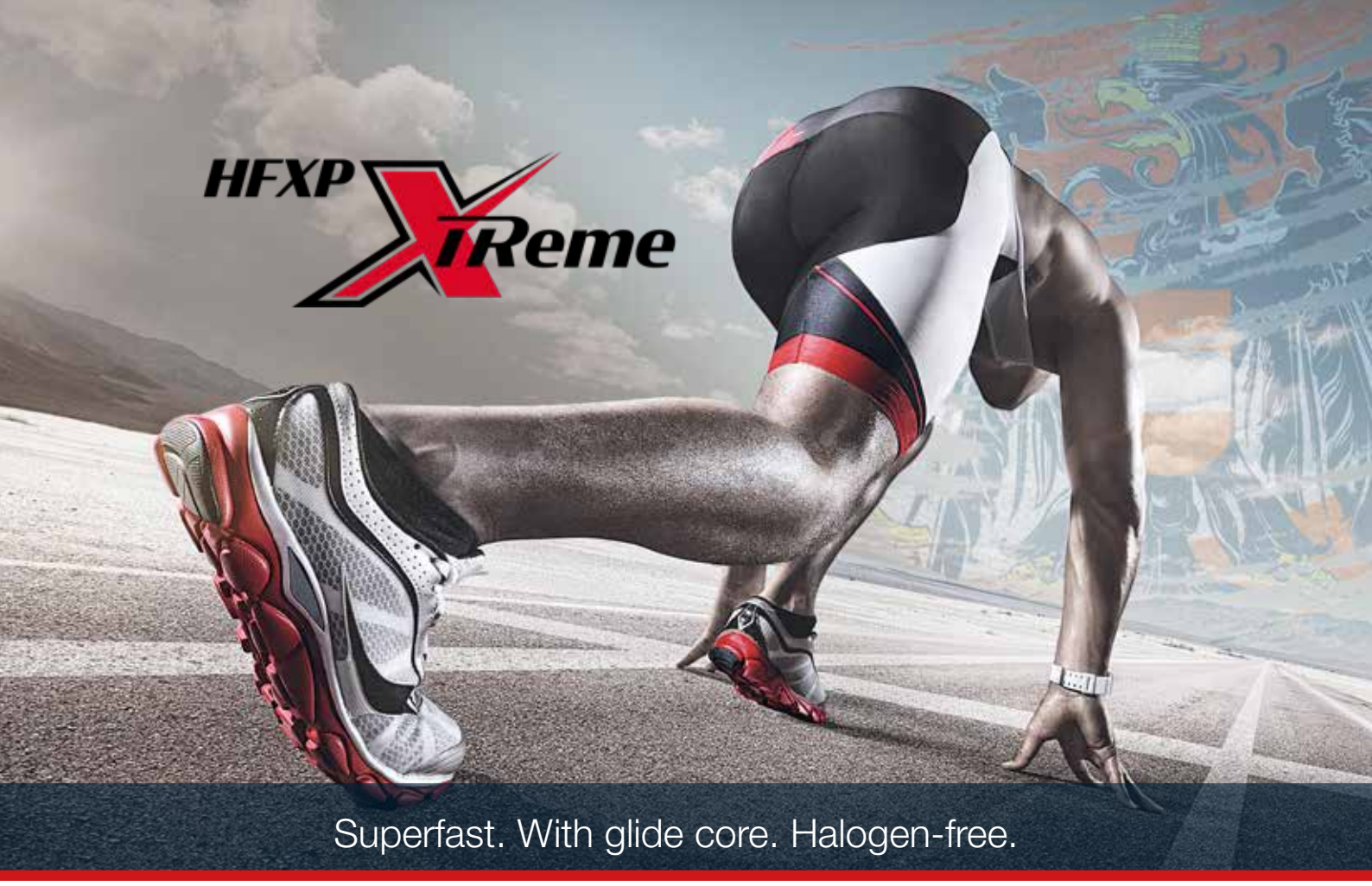
N			CLASS	UV		HFT LSF0H	
>320 N	2 J	-15°C to +105°C	23332	L1			

art	dn [mm]	ps [m]	pl [m]	ref
HFX X 20	20,0	100	4000	106 057
HFX X 25	25,0	100	2800	106 058

without glide core as HFX Turbo (black)

N			CLASS	UV		HFT LSF0H	
>320 N	2 J	-15°C bis +105°C	23332	L1		LSF0H	

art	dn [mm]	ps [m]	pl [m]	ref
HFX Turbo 16 SW 100M	16,0	100	3200	102 302
HFX Turbo 32 SW 50M	32,0	25	1000	102 305
HFX Turbo 40 SW 25M	40,0	25	500	102 306
HFX Turbo 50 SW 25M	50,0	25	300	102 307



Superfast. With glide core. Halogen-free.

Halogen-free, pliable/self-recovering corrugated conduit medium gauge

Impact resistant, universal conduit for concealed cabling, for surface installation and for installation in hollow walls and concrete.

EN 61386-22, EN 50642, EN 60754, EN 61034

with glide core

N			CLASS	UV		HFT LSF0H	
>750 N	2 J	-25°C to +105°C	33433	L2		LSF0H	

art	dn [mm]	ps [m]	pl [m]	ref
HFXP X 20	20,0	100	4000	104 830
HFXP X 25	25,0	100	2800	104 831

without glide core: HFXP Turbo Eco (black)

N			CLASS	UV		HFT LSF0H	
>750 N	2 J	-25°C to +105°C	33433	L2		LSF0H	

art	dn [mm]	ps [m]	pl [m]	ref
HFXP Turbo Eco 16	16,0	100	3200	105 750
HFXP Turbo Eco 32	32,0	25	675	105 751
HFXP Turbo Eco 40	40,0	25	500	105 752
HFXP Turbo Eco 50	50,0	25	300	105 753

The Professional. With glide core. Halogen-free.

Halogen-free, pliable, corrugated conduit medium gauge.

Impact resistant, universal conduit for concealed cabling and for installation in hollow walls and concrete

EN 61386-22, EN 50642, EN 60754, EN 61034

with glide core and sectional corrugation

>750 N | 2 J | -25°C to +105°C | 33432 | L2 | LSF0H

art	dn [mm]	ps [m]	pl [m]	ref
HFXP X Pro 20	20,0	50	2700	104 836
HFXP X Pro 20	20,0	100	4000	104 838
HFXP X Pro 25	25,0	50	1600	104 837
HFXP X Pro 25	25,0	100	1400	104 839

without glide core

>750 N | 2 J | -25°C to +105°C | 33432 | L2 L3* | LSF0H

HFXP Turbo Pro

art	dn [mm]	ps [m]	pl [m]	ref
HFXP Turbo Pro 16	16,0	50	2700	087 169
HFXP Turbo Pro 32	32,0	25	675	087 172
HFXP Turbo Pro 40	40,0	25	500	087 173
HFXP Turbo Pro 50	50,0	25	300	087 174

* HFXP Turbo Pro UV-stabilized (UV level 3)

art	dn [mm]	ps [m]	pl [m]	ref
HFXP Turbo Pro 16 UV-stab	16,0	50	2700	099 487
HFXP Turbo Pro 20 UV-stab	20,0	50	2700	099 380
HFXP Turbo Pro 25 UV-stab	25,0	50	1600	099 381
HFXP Turbo Pro 32 UV-stab	32,0	25	675	099 382
HFXP Turbo Pro 40 UV-stab	40,0	25	500	105 483

Environmental responsibility

The ÖSTERREICHISCHE UMWELTZEICHEN (Austrian Ecolabel), a label that has been awarded to products, companies and educational institutions since 1990, informs the customer about the environmental impact of production, application and disposal of a product and highlights eco-friendly alternatives.

It contains the following factors of environmental impact:

- Consumption of raw material and energy
- Toxicity of components
- Emissions (exhausts, waste water, noise pollution, ...)
- Waste and its recyclability
- Packaging, distribution and transport
- Quality and ease of use
- Safety and durability

Independent testing institutes are responsible for the evaluation. The Austrian Federal Ministry of Agriculture, Regions and Tourism awards the label after a thorough evaluation by independent institutes for four years, after which it has to be renewed.

UV-stability

acc. to DIN EN ISO 4892-3

Outdoor conduits are exposed to various environmental factors (UV radiation, temperature, humidity ...) These factors are called „weathering“.

UV stability or weathering resistance of plastic materials is tested under laboratory conditions according to DIN EN ISO 4892-3 (this test is also referred to as evaluation of fastness to weathering or resistance to fading): During a time period of 1000 hours conduits are exposed to an average temperature of 50 °C and alternating exposure to UV radiation, water fog and condensation to simulate rain.

As the level of solar radiation varies from location to location, it is not possible to give an overall statement on UV-stability under natural conditions. For specific references it would be necessary to know the exact place of installation. In a (mid-)European climate the experimental setup corresponds to the weathering to be expected at protected outside areas during one year.

UV-Levels

We mark our products with UV levels. These levels are based on the above mentioned tests and serve as an orientation for the use of the thus marked products.

Level 1: indoor use

L1

to avoid UV discoloration (no exposure to direct sunlight)

Level 2: partially shaded, outside

L2

in areas with sun exposure only for two to four hours a day, in shadowy places

Level 3: full sun

L3

to be used also in areas with whole-day exposure to sunlight, e. g. roofs, antenna poles or PV panels

Symbols

- compression resistance
- impact resistance
- temperature range
- classification
- UV-Level
- flame-retardant
- halogen-free LSF0H
- Austrian Ecolabel

LSF0H – safety in case of fire

- LS (= low smoke): minimum smoke, no release of toxic or corrosive gases
- F (= flame retardant): impedes the propagation of fires
- 0H (= zero halogen): contains zero halogen

DIETZEL UNIVOLT

Die Österreicher unter den Rohren

Properties at a glance

Attribute	HFX X	HFXP			
		Xtreme Pro	Turbo Pro	Xtreme	Turbo Eco
material	PP	PP	PP	PP	PP
colour	black	black	black	black/white	black
classification	23332	33432	33432	33433	33433
compression resistance	> 320 N	>750 N	>750 N	>750 N	>750 N
impact resistance	2 J	2 J	2 J	2 J	2 J
UV resistance	L1	L2	L2	L2	L2
halogen-free	yes	yes	yes	yes	yes
LSF0H	yes	yes	yes	yes	yes
certified ecological product	yes	yes	yes	yes	yes
glide core	yes	yes	-	yes	-

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000000/10-2020 • 2nd edition