

QWIKWIRE™ cable ducting

An integrated system of wiring duct
and accessories to suit all applications



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QWIKWIRE™
TERMINATION AND WIRING

QWIKWIRE cable ducting

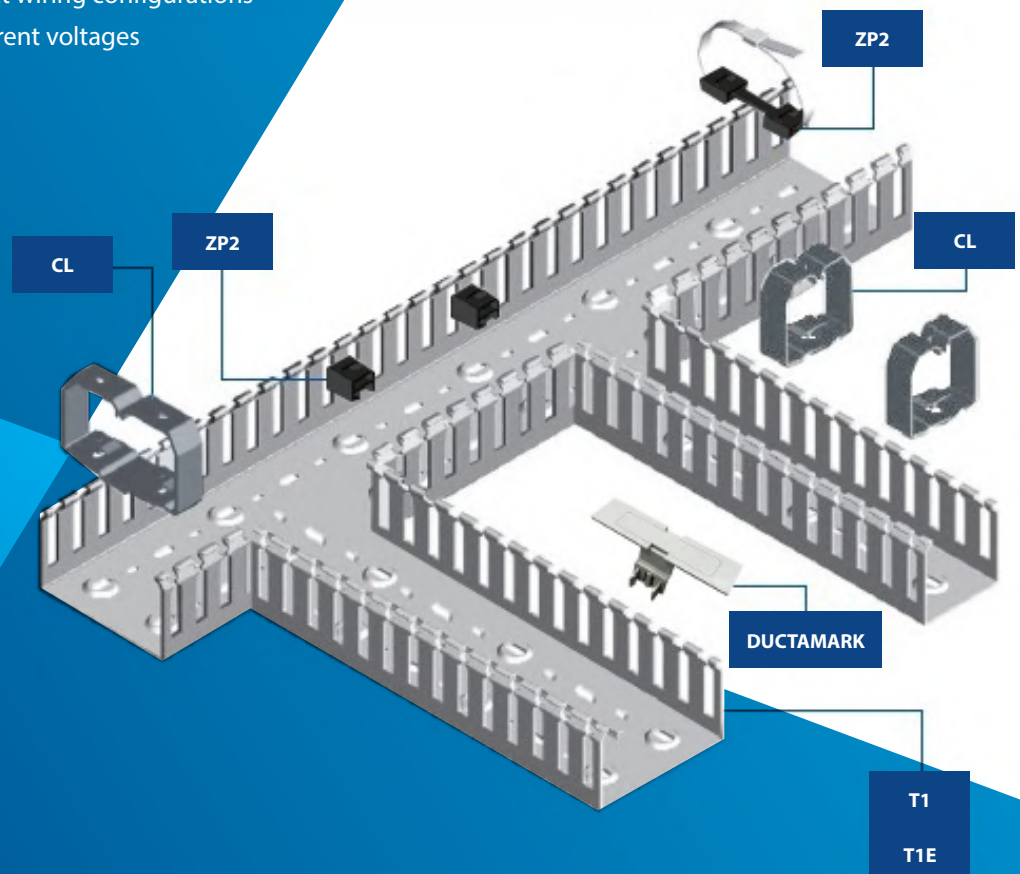
NHP QWIKWIRE wiring systems feature excellent assembly functionality and are ideal for any type of power and control panel where performance remains unaltered over time, even under the heaviest operating conditions.

The NHP QWIKWIRE range features several product lines: DIN rail, DIN rail accessories, slotted duct and accessories.

The most extensive line of wiring duct and components

The NHP QWIKWIRE Duct System simplifies and decreases the time required for the planning and construction of control panels by offering the ability to:

- Contain the wires
- Identify the switchgear
- Mount the wiring duct directly onto mounting rail or internal mounting plate
- Achieve extremely compact wiring configurations
- Separate circuits with different voltages and/or functions
- Form wire bundles.



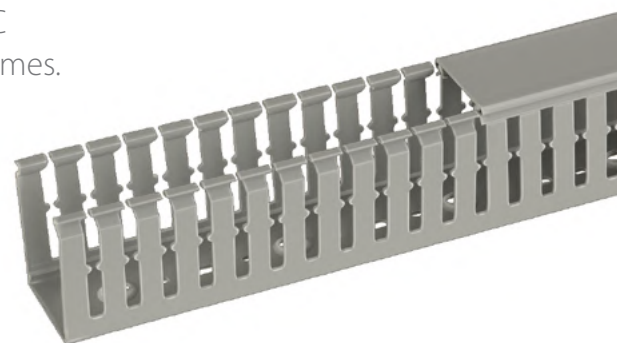
T1 and T1E narrow slotted series

The T1 slotted and T1E narrow slotted range has gained widespread acceptance due to its versatility and durability. Ideal for all your cabling requirements, whether it be panel boards or switchboards, this specially formulated PVC allows repeated opening and closing of the duct fingers without breaking.

In the event of a fire, the self-extinguishing properties of the PVC material used in the cable ducting will effectively quench the flames.

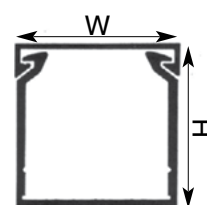
T1 slotted duct series features:

- Slotted rigid PVC
- Self-extinguishing
- Complete with cover
- Standard length 2 metres
- Colour RAL 7030 grey
- High quality
- Non-slip cover design
- UL and CE approved



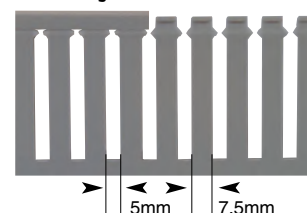
T1 slotted cover

Technical data			
Width (mm)	Height (mm) with cover	Catalogue no. (single)	Pieces (per pack)
25	30	T12530	36
25	40	T12540	36
40	40	T14040	20
60	40	T16040	12
80	40	T18040	12
25	60	T12560	24
40	60	T14060	18
60	60	T16060	12
80	60	T18060	12
100	60	T110060	8
25	80	T12580	24
40	80	T14080	16
60	80	T16080	12
80	80	T18080	12
100	80	T110080	8
25	100	T125100	8
40	100	T140100	8
60	100	T160100	4
80	100	T180100	4
100	100	T1100100	4
150	100	T1150100	4

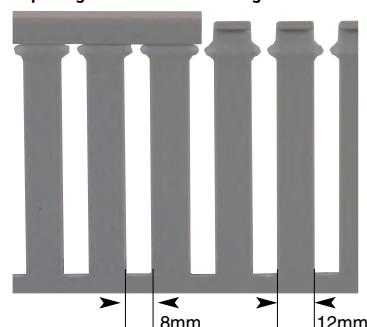


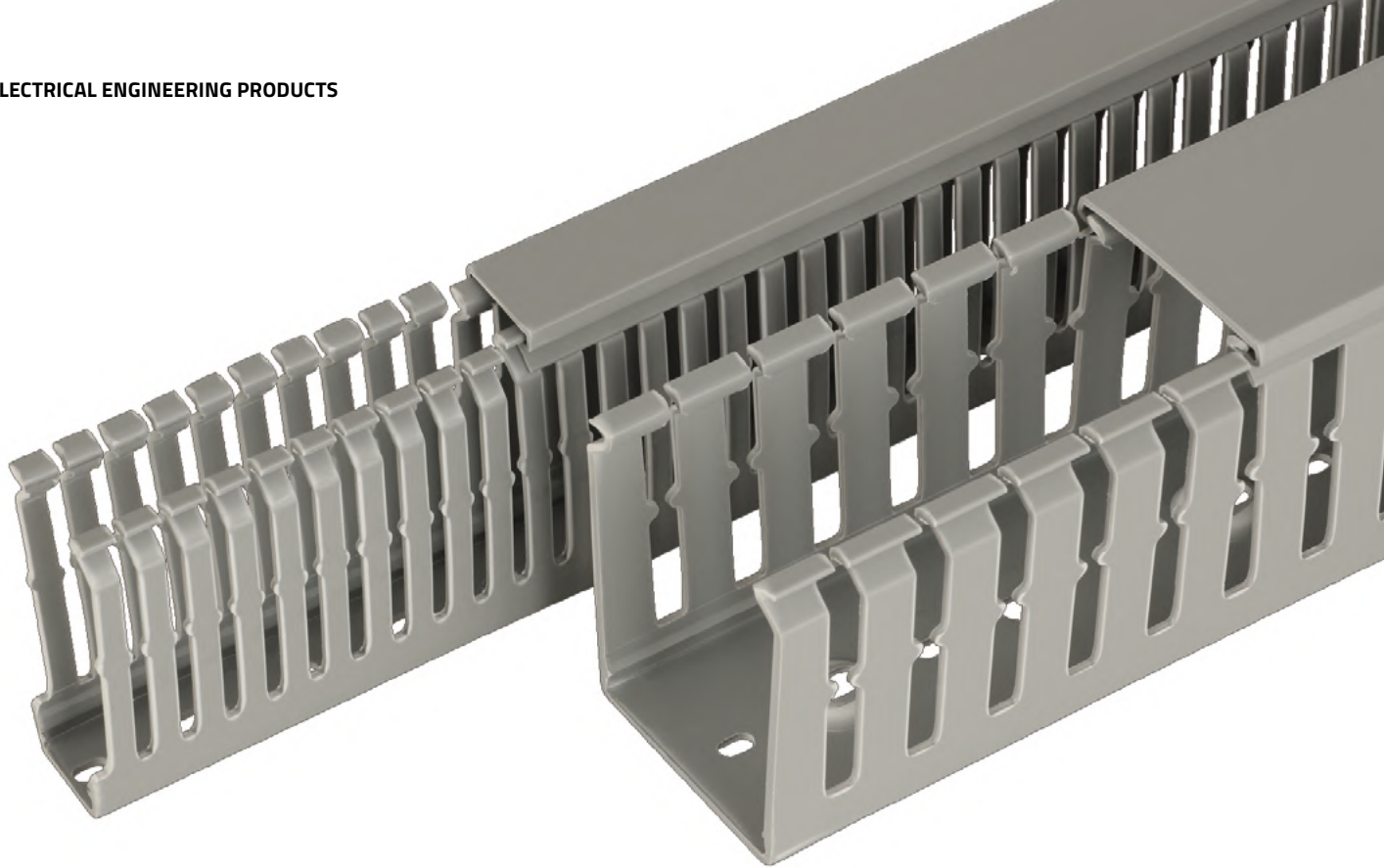
Dimensions (refer above)

Heights of 18 and 30mm have
5mm slot opening width and
7.5mm finger wall width



Heights of 40-100mm have 8mm slot
opening width and 12mm finger wall width

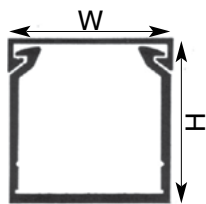




T1E narrow slotted duct series features:

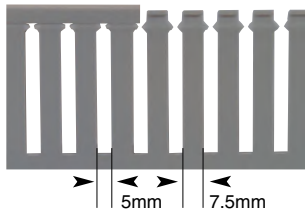
- Slotted rigid PVC
- Self-extinguishing
- Complete with cover
- Standard length 2 metres
- Colour RAL 7030 grey
- High quality
- Non-slip cover design
- UL and CE approved

T1E narrow slotted cover

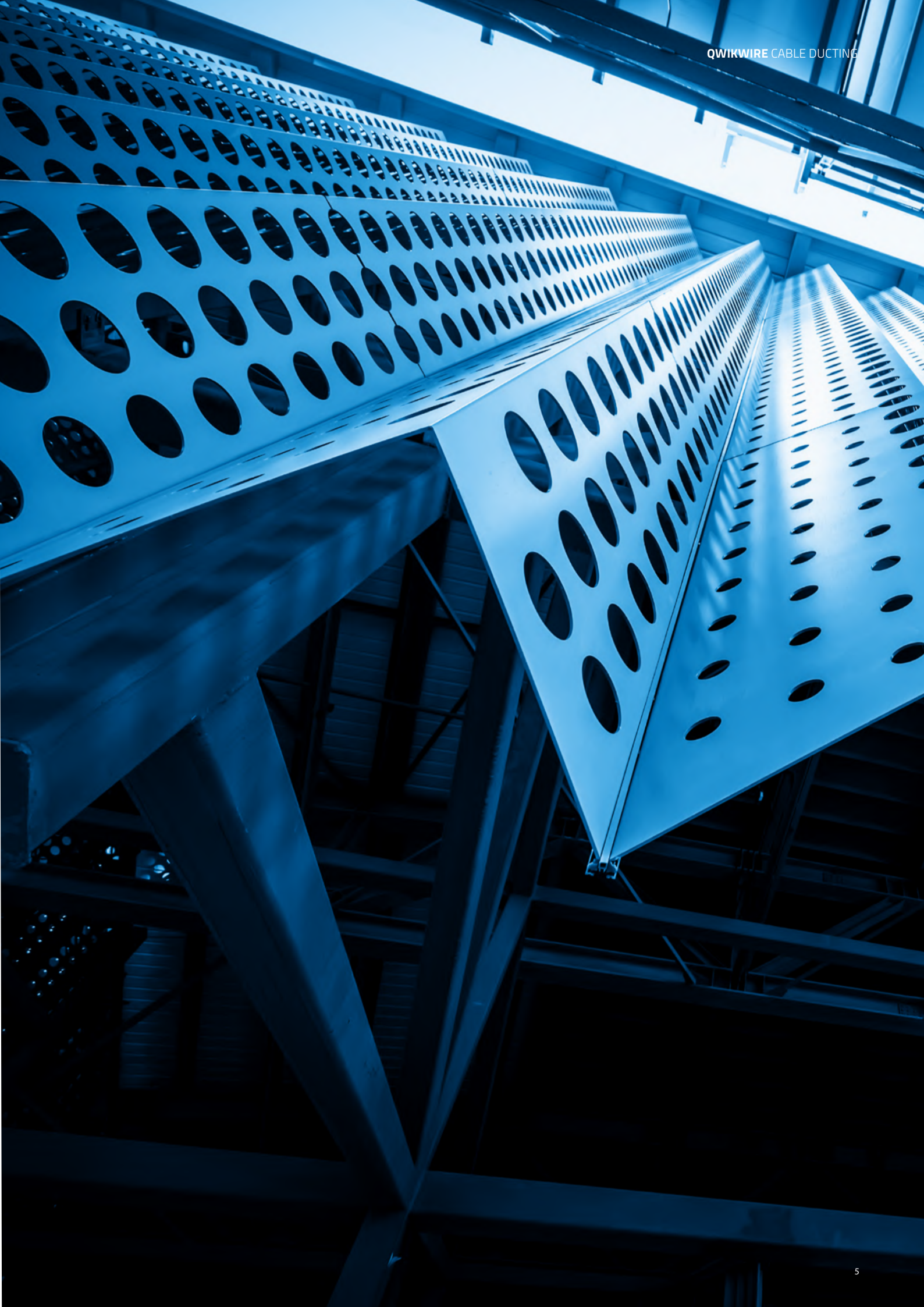


Dimensions (refer above)

Heights of 18 and 30mm have
5mm slot opening width and
7.5mm finger wall width

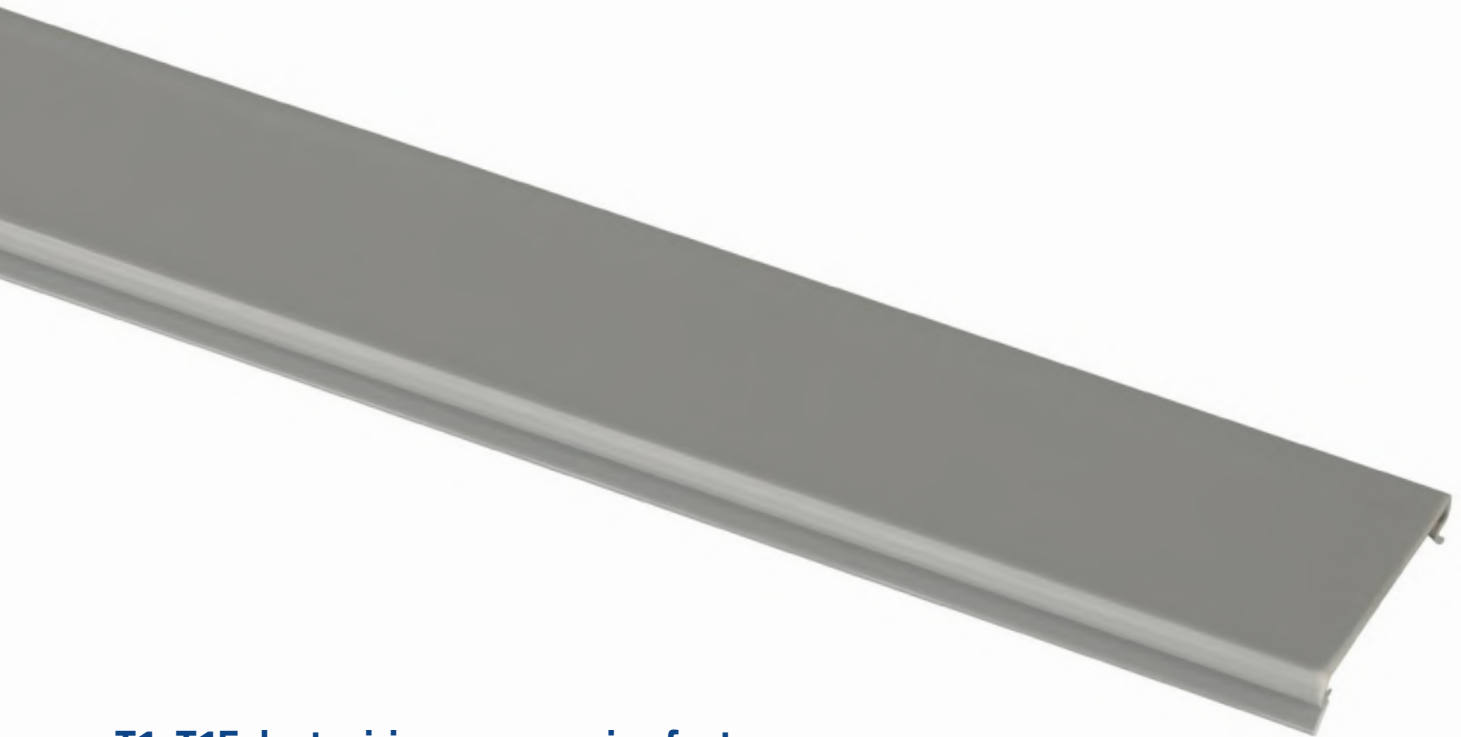


Technical data			
Width (mm)	Height (mm) with cover	Catalogue no. (single)	Pieces (per pack)
25	40	T1E25X40G	36
40	40	T1E40X40G	20
80	40	T1E80X40G	12
25	60	T1E25X60G	24
40	60	T1E40X60G	18
60	60	T1E60X60G	12
80	60	T1E80X60G	12
25	80	T1E25X80G	24
40	80	T1E40X80G	16
60	80	T1E60X80G	12
80	80	T1E80X80G	12
100	80	T1E100X80G	8
100	100	T1E100X100G	4
80	80	T1E80X80G	12
100	80	T1E100X80G	8
100	100	T1E100X100G	4



Duct wiring cover series for T1, T1E

Useful for wire retainment as well as protection.
These covers can be used as replacement covers.



T1, T1E duct wiring cover series features:

- Rigid PVC
- Self-extinguishing
- Colour RAL 7030 grey
- Standard length 2 metres

Technical data		
Standard pack (metres)	For ducting width (mm)	Catalogue no.
50	25	COV25
50	40	COV40
50	60	COV60
50	80	COV80
40	100	COV100
40	150	COV150

COV - duct wiring cover

CL wire retainers for T1 and T1E

They are indispensable for retaining wires during wiring operations where the panel is in a vertical position. In case of alterations and/or maintenance of a finished panel, they facilitate access to the interior of cable ducting, at the same time avoiding cables falling out when the ducting cover is taken off. With a simple rotating movement, they are firmly anchored in the recess boss in the ducting base.

CL wire retainers for T1 and T1E features:

- Polycarbonate material
- Self-extinguishing
- Black cover
- Different sizes available
- For use inside cable ducting

Technical data		
Width (W)	Height (H)	Catalogue no.
40	60	CL4060
40	80	CL4080
60	80	CL6080
60	100	CL60100
80	80	CL8080
80	100	CL80100
100	80	CL10080
100	100	CL100100



CL - wire retainer

DIN rail

DIN rail is RoHS compliant as it is white passivated and zinc plated.

- Standard length 2 metres
- Steel

Technical data		
Description	Standard length (metre)	Quantity
DIN rail 35/7.5 Perforated (18mm)	2	Pack of 20
Description	Item Number	
DIN RAIL END CAP SUITS 35/7.5MM PLASTIC BLACK (QTY 100)	CELADP7	
DIN RAIL END CAP SUITS 35/15MM PLASTIC BLACK (QTY 100)	CELADP15	



SDR2 - DIN rail

ZP2 mounting inserts

With a simple quarter turn the ZP2 can be mounted inside the duct. By stacking, mounting levels at different heights are achieved. ZP2 can be used in conjunction with a cable tie for secure wiring harnesses.

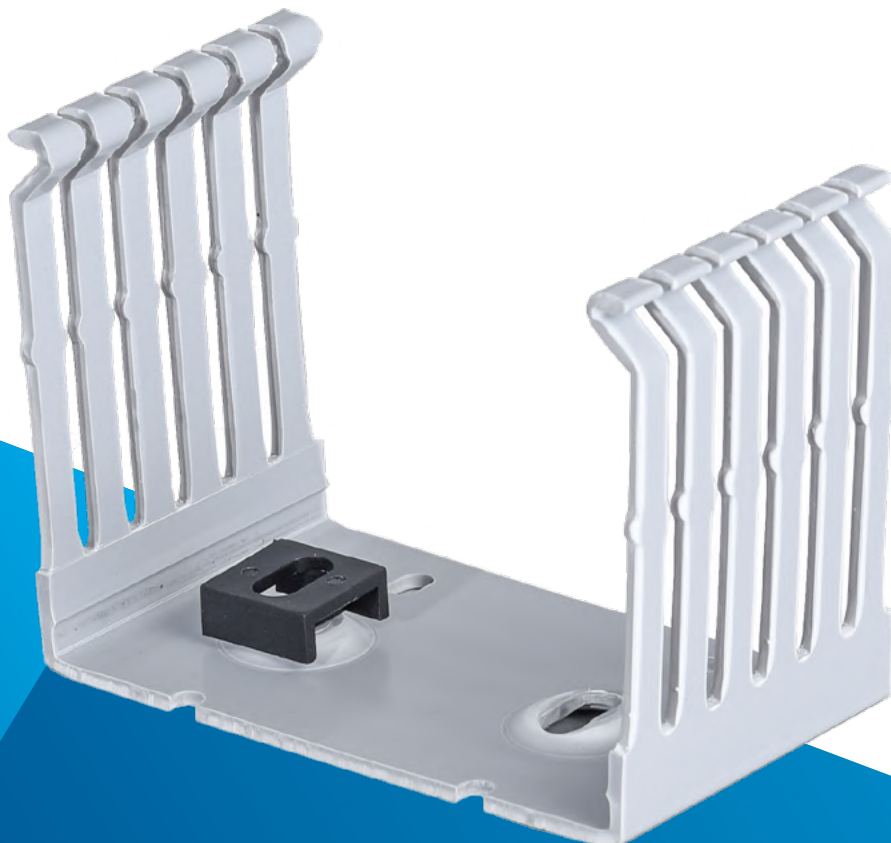


ZP2 fixing lug attachment

ZP2 mounting insert series features:

- Polyamide 6 material
- Natural colour

Technical data	
For duct height	Catalogue no.
DUCT FIXING INSERT WITH CABLE TIE FIXING	ZP2FIXING



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Ductamark 1 identification tags for T1

Resolves in a practical and functional manner the problem of control gear and switchgear identification. A flat area is available for a sticker, which can be labeled with a pen or marker. Ductamark is mounted by snapping it onto the sidewall finger segments, taking care that it is placed above the wires coming out to the sidewall slots.

Ductamark 1 identification tags for T1 features:

- Avoids glueing and drilling
- Always clearly visible
- No removal needed during maintenance
- Polyamide 6 material

Technical data	
Description	Catalogue no.
ID tag	DUCTAMARK1



Assembled product

Supplied product



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Technical characteristics of ducting materials

NHP QWIKWIRE wiring products respond to all installation needs, coping with different uses applications in different environments. They are manufactured with high quality materials that undergo severe quality controls and performance tests under extreme operating and duration conditions with a constant control of quality standards.

Typical raw material properties of PVC wiring ducts

Technical data			
Property	Units	ASTM test	PVC
Specific gravity	...	D792	1.43
IZOD impact strength	Kg. cm/cm	D256	7.5
Flexural strength	Psi	D790	10900
Flexural module	Psi	D790	382000
Tensile strength	Psi	D638	5500
Compressive strength	Psi	D695	8600
Water absorption	24hrs - %	D570	0.1
Hardness	Shore D	D785	78D
Dielectric strength 50Hz, 25°C, s/t	Kv/mm	D149	36
Volume resistivity	Ohm-cm	D257	6.1X10 ⁹
Heat deflecting °F @ 264psi	°F	D648	Up to 158 (70°)
UL 94 - Flammability	...	...	V0 RoHS

Subject to change in the interest of technical progress



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NHP ELECTRICAL ENGINEERING PRODUCTS

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