

E.I.C.

*Electrical
Importing
Company*



High-performance electrical connections

Protection from dust, water and high-temperature pressurised water

IP66

IP68

IP69K



Choose innovation and reliability
Reduce installation and maintenance cost
Extend the possibilities of use



MADE IN ITALY

www.eic.nz

TYPE OF CONNECTION

NUMBER OF CABLES

PLUG AND SOCKET CONNECTORS

Plug and socket connectors for quick installation



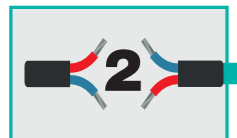
CONNECTORS DESIGNED TO GUARANTEE RELIABILITY IN HARSH OR HOSTILE ENVIRONMENTS

Lighting, installation, automation, industrial machines, robots, control systems, industrial washing, motors, infrastructures, transportation, marine, energy production plants, handling machines, gate and door automation, CCTV.

PLUG & SOCKET CONNECTORS

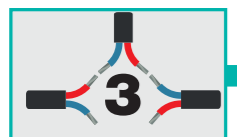
Note: **POLES**

4 pole connector can install 2-pole or 3-pole cables, etc.



- Degree of Protection IP
- Wire Cross-section
- Kit Set Part Code
- Cable Diameter (OD)
- Plug Part Code
- Socket Part Code
- Cable Diameter (OD)
- Accessories (Page 8)

2 poles	3 poles			4 poles			5 poles			6 poles	
IP68/IP69K (30m/1h) 0.25 - 1.0 mm ² 4.8 - 8.0 mm	IP68/IP69K (30m/1h) 0.25 - 1.0 mm ² 5.8 - 8.0 mm	IP66/IP68 (5m/3h) 0.5 - 1.5 mm ² ^(b) 5.0 - 12.0 mm	IP66/IP68 (30m/3h) 0.5 - 1.5 mm ² ^(b)	IP68 (10m/1h) 0.5 - 2.5 mm ² ^(c) 6.0 - 13.5 mm	IP66/IP68 (30m/3h) 0.5 - 1.5 mm ² ^(d)	IP66/IP68 (30m/3h) 0.5 - 2.5 mm ² ^(e) 6.0 - 13.5 mm	IP66/IP68 (30m/3h) 0.5 - 2.5 mm ² ^(e) 7.0 - 13.5 mm	IP66/IP68 (30m/3h) 0.25 - 1.5 mm ²	IP66/IP68 (30m/3h) 0.25 - 1.5 mm ² ^(a) 6.0 - 13.5 mm	IP68 (10m/1h) 0.5 - 1.5 mm ² ^(f) 6.0 - 13.5 mm	IP68 (10m/1h) 0.5 - 1.5 mm ² ^(g) 6.0 - 13.5 mm
THB-381-A2A-R THB-381-A2A THB-381-B2A	THB-381-A3E-R THB-381-A3E-L THB-381-B3A	THR-384-S3A THR-384-S3B	THB-387-A3A THB-387-B3A	THB-387-A4A THB-387-B4A	THB-387-A4A-L THB-387-B4A-L	THB-387-A4A-L-XD	THB-387-A5A THB-387-B5A	THB-387-A5A-L THB-387-B5A-L	THR-405-S5A	THR-405-S6A THR-405-S6B THR-405-S6C	
A	A	B	B	C	B	C	C	B	C	C	C



- Degree of Protection IP
- Wire Cross-section
- Kit Set Part Code
- Cable Diameter (OD)

TH381
the smallest plug and socket connector 2-3 poles with screw wiring



Accessories (Page 8)



- Degree of Protection IP
- Wire Cross-section
- Kit Set Part Code
- Cable Diameter (OD)
- Component Part Code
- Cable Diameter (OD)
- Accessories (Page 8)

2 poles	3 poles
IP68 (30m/1h) 0.25 - 1.0 mm ² ^{(a) (h)} 4.0 - 8.0 mm	IP68 (30m/1h) 0.25 - 1.0 mm ² ^{(a) (h)} 5.8 - 8.0 mm
THH-625-A2A-R THH-625-A2A-L	THH-625-A3E-R THH-625-A3E-L
A	A

INFO

Visit www.eic.nz for more technical information and dimensions. Accessories are shown on page 8

NOTES

- (a) plug & socket connectors are included in the package (kit)
- (b) wire size, min. 2 x 4.0 mm² / max. 3 x 1.5 mm²
- (c) wire size, min. 2 x 4.0 mm² / max. 3 x 2.5 mm²
- (d) wire size, min. 2 x 4.0 mm² / max. 4 x 1.5 mm²
- (e) wire size, min. 2 x 4.0 mm² / max. 4 x 2.5 mm²

- (f) wire size, min. 2 x 4.0 mm² / max. 5 x 1.5 mm²
- (g) wire size, min. 2 x 4.0 mm² / max. 6 x 1.5 mm²
- (h) closure cap included in the package (kit)
- (j) plug-socket connectors must be ordered separately

3 poles
IP65 0.5 - 2.5 mm ² ^(c) 6.0 - 13.5 mm
THR-631-S3A
C

RESIN-GEL FREE

Long Term Reliability
Resin and gel-free



ACCESSORIES
Cable reducers, closure caps, fixing systems etc.

5 poles	6 poles
IP65 0.5 - 1.5 mm ² ^(f) 6.0 - 13.5 mm	IP65 0.5 - 1.5 mm ² ^(g) 6.0 - 13.5 mm
THR.631.S5A	THR.631.S6A
C	C

ALL SCREW TERMINALS

www.eic.nz
for more

GUIDE

4 poles	# of poles	5 poles
	PRODUCT IMAGE	
IP68 (5m/3h) 0.5 - 2.5 mm ² ^(e) 6.0 - 13.5 mm	IP RATING	IP68 (5m/3h) 0.25 - 1.5 mm ² ^{(a) (h)}
THH-624-A4A-L-R THH-624-A4A-L	WIRE CROSS-SECTION	THH-624-A5A-L-R THH-624-A5A-L
see TH387 4 poles	KIT PART CODE	see TH387 5 poles
B/C	KIT CABLE DIAMETER	
	COMPONENT PART CODES	
	COMPONENT CABLE DIAMETER	
	ACCESSORY PART RANGE	

EXTRA PLUGGABLE
Plug and Socket solutions:
Reduced cost of installation.

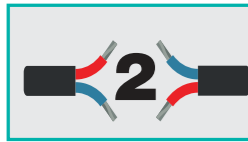


TYPE OF CONNECTION

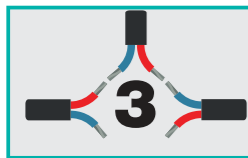
NUMBER OF CABLES

POLES

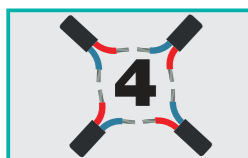
Note: 4 pole connector can install 2-pole or 3-pole cables, etc.



- Degree of Protection IP
- Wire Cross-section
- Kit Set Part Code
- Cable Diameter (OD)
- Component Part Code
- Cable Diameter (OD)
- Accessories (Page 8)



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INFO

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JOINT CONNECTORS

In-line and junction connectors for fixed installation



	3 poles				4 poles				5 poles	6 poles
Degree of Protection IP	IP68 (50m/1h)	IP68/IP69K (50m/1h)	IP68/IP69K (50m/1h)	IP68 (30m/2h)	IP68/IP69K (30m/2h)	IP68/IP69K (30m/2h)	IP68/IP69K (50m/1h)	IP68/IP69K (50m/1h)	IP68/IP69K (50m/1h)	
Wire Cross-section	0.5 - 1.5 mm ²	0.5 - 4.0 mm ²	0.5 - 4.0 mm ²	0.5 - 1.5 mm ² (a)	0.5 - 2.5 mm ² (b)	0.5 - 2.5 mm ² (b)	2.5 - 6.0 mm ²	0.5 - 4.0 mm ²	0.5 - 4.0 mm ²	
Kit Set Part Code	THR-390-S3D	THR-400-S3D	THR-400-S3E	THB-391-A4A-R	THB-391-A4A-L-R	THB-391-R4A-L-R	THR-400-S4E	THR-400-S5D		
Cable Diameter (OD)	6.0 - 13.5 mm	6.0 - 13.5 mm	6.0-17.0 mm	5.0 - 12.0 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	11.0 - 20.0 mm	6.0 - 17.0 mm		
Component Part Code					THB-391-A4A-L				THB-400-D1D	
Cable Diameter (OD)					7.0 - 13.5 mm				8.0 - 17.0 mm	
Accessories (Page 8)	C	C	C / E	B	C	C	-	C / E	E	

	3 poles				4 poles		5 poles		6 poles
Degree of Protection IP	IP67	IP68 (50m/1h)	IP68 (20m/1h)	IP68 (20m/1h)	IP68 (20m/1h)	IP68 (20m/1h)	IP68 (20m/1h)	IP68 (20m/1h)	IP68 (20m/1h)
Wire Cross-section	0.5 - 1.5 mm ²	0.5 - 1.5 mm ²	0.5 - 1.5 mm ²	0.5 - 4.0 mm ²	1.5 - 4.0 mm ²	1.5 - 4.0 mm ²	0.5 - 1.5 mm ²	0.5 - 1.5 mm ²	0.5 - 1.5 mm ²
Kit Set Part Code	THR-200-S3M (c)	THR-390-S3T (c)	THR-399-S3C (c)	THB-402-C2E-R (c)	THB-402-D4A-R (c)	THB-399-A4F-R	THB-402-C1F-R (c)	THR-399-S5L (c)	THR-399-S6L (c)
Cable Diameter (OD)	4.0 - 9.5 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	6.0 - 17.0 mm	6.0 - 13.5 mm	6.0 - 17.0 mm	6.0 - 17.0 mm
Component Part Code								THB-399-A5A	
Cable Diameter (OD)								7.0 - 13.5 mm	
Accessories (Page 8)	in kit / F	C	C	C	C	E	C	C / E	C / E

	4 poles				8 poles
Degree of Protection IP	IP68 (30m/2h)	IP68 (30m/2h)	IP68 (30m/2h)	IP68 (5m/3h)	IP68 (5m/3h)
Wire Cross-section	0.5 - 1.5 mm ² (a)	0.5 - 2.5 mm ² (b)	0.5 - 2.5 mm ² (b)	0.5 - 4.0 mm ²	0.5 - 1.5 mm ²
Kit Set Part Code	THB-392-A4A-R (c)	THB-392-A4A-L-R (c)	THB-392-R4A-L-R (c)	THR-209-A4A (c)	THR-209-S8L (c)
Cable Diameter (OD)	5.0 - 12.0 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	6.0 - 13.5 mm
Component Part Code		THB-392-A4A-L			
Cable Diameter (OD)		7.0 - 13.5 mm			
Accessories (Page 8)	B	C	C	C	C

of poles

PRODUCT IMAGE Amps

IP RATING

WIRE CROSS-SECTION

KIT PART CODE

KIT CABLE DIAMETER

COMPONENT PART CODES

COMPONENT CABLE DIAMETER

ACCESSORY PART RANGE

GUIDE

NOTES

- (a) wire size, min. 2 x 4.0 mm² / max. 4 x 1.5 mm²
- (b) wire size, min. 2 x 4.0 mm² / max. 4 x 2.5 mm²
- (c) closure cap included in the package (kit)



JOINT CONNECTORS

TH391
the smallest IP68 joint without gel and resin



www.eic.nz
for more

Type of Connection

PANEL-MOUNTED

Alternative to the cable gland. Removes the need to open the appliance.



POLES

Note:
4 pole connector can install 2 - pole or 3-pole cables, etc.

- Degree of Protection IP →
- Wire Cross-section →
- Kit Set Part Code →
- Cable Diameter (OD) →
- Socket Part Code →
- Plug Part Code →
- Cable Diameter (OD) →
- Accessories →

4 poles			2 poles		3 poles	
M20	M20	M25	M16	M11/M16	M11/M16	M11/M16
32A	17.5A	32A	10A	10A	10A	10A
IP68 (30m/2h)	IP68/IP69K (30m/2h)	IP68/IP69K (30m/2h)	IP68/IP69K (30m/1h)	IP68/IP69K (30m/1h)	IP68/IP69K (30m/1h)	IP68/IP69K (30m/1h)
0.5 - 1.5 mm ^{2 (a)}	0.5 - 2.5 mm ^{2 (c)}	0.5 - 2.5 mm ^{2 (c)}	0.25 - 1.0 mm ²	0.25 - 1.0 mm ²	0.25 - 1.0 mm ²	0.25 - 1.0 mm ²
THB-391-H4A-R ^(b)	THB-391-N4A-L-R ^(b)	THB-391-L4A-L-R ^(b)	THB-381-P2A	THB-381-N2A-R ^{(b) (d)}	THB-381-N3E-R ^{(b) (d)}	THB-381-N3E-R ^{(b) (d)}
5.0 - 12.0 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	4.0 - 8.0 mm	4.0 - 8.0 mm	5.8 - 8.0 mm	5.8 - 8.0 mm
B	C	C	A	A	A	A

- Degree of Protection IP →
- Wire Cross-section →
- Kit Set Part Code →
- Cable Diameter (OD) →
- Socket Part Code →
- Plug Part Code →
- Cable Diameter (OD) →
- Accessories →

3 poles					
M25	M20	M25	M25	Ø28	Ø28
17.5A	17.5A	17.5A	17.5A	25A	25A
IP66/IP68 (5m/3h)	IP66/IP68 (5m/3h)	IP66/IP68 (30m/3h)	IP66/IP68 (30m/3h)	IP68 (10m/1h)	IP68 (5m/1h)
0.5 - 2.5 mm ^{2 (e)}	0.5 - 2.5 mm ^{2 (e)}	0.5 - 4.0 mm ²	0.5 - 4.0 mm ²	0.5 - 2.5 mm ^{2 (e)}	0.5 - 2.5 mm ^{2 (e)}
THR-385-S3A ^{(b) (d)}	THB-385-A3F-R ^{(b) (d)}	THB-387-D3A ^(f)	THB-387-F3A	THR-406-S3B ^{(b) (d)}	THB-408-B2B
5.0 - 12.0 mm	5.0 - 12.0 mm	7.0 - 12.0 mm	7.0 - 13.5 mm	6.0 - 13.5 mm	7.0 - 13.5 mm
B	B	D	D	C	C

- Degree of Protection IP →
- Wire Cross-Section →
- Kit set part code →
- Cable Diameter (OD) →
- Socket Part Code →
- Plug Part Code →
- Cable Diameter (OD) →
- Accessories →

4 poles				
M25	M25	M25	M25	M20
17.5A	17.5A	17.5A	17.5A	17.5A
IP66/IP68 (30m/3h)	IP66/IP68 (30m/3h)	IP66/IP68 (30m/3h)	IP66/IP68 (30m/3h)	IP66/IP68 (30m/3h)
0.5 - 4.0 mm ²	0.5 - 4.0 mm ²	0.5 - 1.5 mm ^{2 (a)}	0.5 - 2.5 mm ^{2 (c)}	0.5 - 2.5 mm ^{2 (c)}
THB-387-D4A ^(f)	THB-387-F4A	THB-387-E4A-L-R ^{(b) (d)}	THB-387-E4A-L	THB-387-N4A-L-XD-R ^{(b) (d)}
6.0 - 12.0 mm	6.0 - 12.0 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	6.0 - 13.5 mm
D	D	B	C	C

- Degree of protection IP →
- Wire cross-section →
- Kit set part code →
- Cable Diameter (OD) →
- Socket Part Code →
- Plug Part Code →
- Cable Diameter (OD) →
- Accessories →

5 poles		6 poles		# of poles
M25	M25	M25	Ø28	Ø28
17.5A	17.5A	17.5A	17.5A	17.5A
IP66/IP68 (30m/3h)	IP66/IP68 (30m/3h)	IP66/IP68 (30m/3h)	IP68 (10m/1h)	IP68 (10m/1h)
0.25 - 1.5 mm ²	0.25 - 1.5 mm ²	0.25 - 1.5 mm ²	0.5 - 1.5 mm ^{2 (g)}	0.5 - 1.5 mm ^{2 (h)}
THB-387-D5A ^(f)	THB-387-F5A	THB-387-E5A-L-R ^{(b) (d)}	THR-406-S5A ^{(b) (d)}	THR-406-S6C ^{(b) (d)}
6.0 - 13.5 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	6.0 - 13.5 mm	6.0 - 13.5 mm
D	D	C	C	C

INFO
Visit www.eic.nz for more technical information and dimensions.
Accessories are shown on page 8



NOTES

- (a) min. 2 x 4.0mm² / max. 4 x 1.5mm²
- (b) closure cap included in the package (kit)
- (c) min. 2 x 4.0mm² / max. 4 x 2.5mm²
- (d) plug & socket connectors are included in the package (kit)
- (e) min. 2 x 4.0mm² / max. 3 x 2.5mm²
- (f) screws ordered separately
- (g) min. 2 x 4.0mm² / max. 5 x 1.5mm²
- (h) min. 2 x 4.0mm² / max. 6 x 1.5mm²

TEE PLUG

TEEPLUG FAMILY

Cord-to-Cord

Outer Diameter

Poles

TH381	TH387	TH384	TH405
Ø 14 mm	Ø 23 mm	Ø 27 mm	Ø 36.5 mm
2p ... 3p	3p ... 5p	3p	3p ... 6p

Panel Mount



TEE BOX

Current Distributor Terminal Box

Poles

TEEBOX FAMILY

TH625	TH624	TH623	TH631
2p ... 3p	4p ... 5p	3p	3p ... 6p



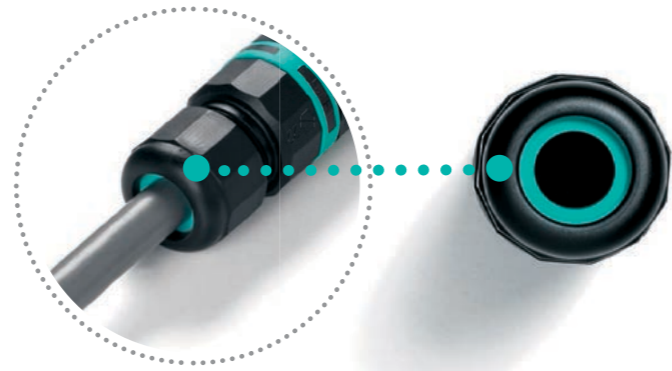
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for more

PANEL MOUNTED

EXTRA ROBUST

Techno invests in new solutions for products that will last over time

Quality installations of equipment or systems in critical conditions of use (rain, floods, tides, snow, ice, sand, industrial washes, chemicals, dirty environments with oils/grease and hydrocarbons).

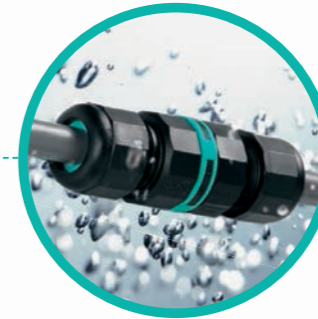


Thermoplastic rubbers with excellent resistance against UV rays, ozone and weather damage. Ideal rubbers with appropriate hardness and elasticity for securing and sealing the insulation sheath of electric cables.



EXTRA SAFE

Designed to guarantee the highest reliability

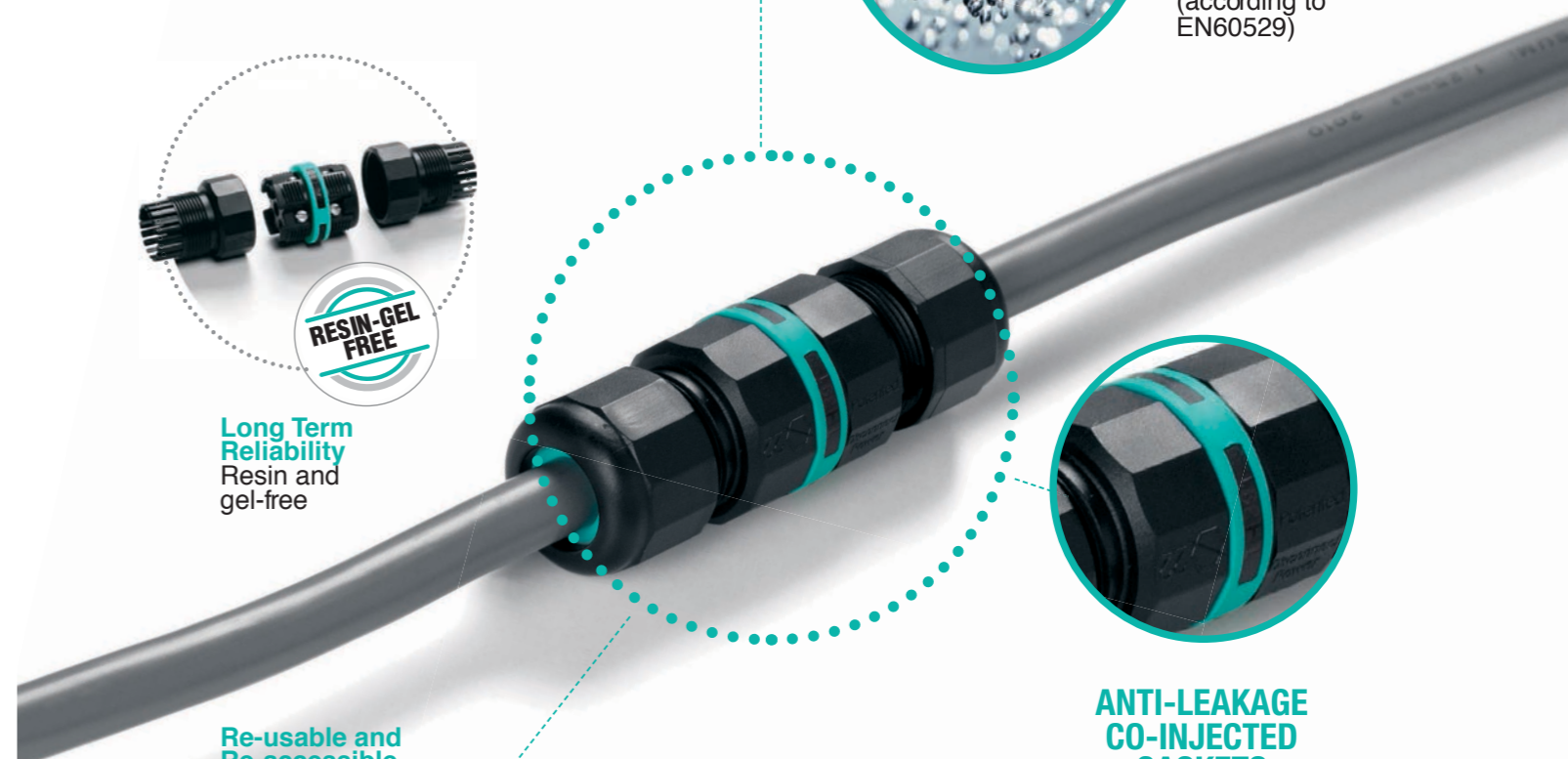


Total protection against the effects of permanent submersion and pressurised water (according to EN60529)



RESIN-GEL FREE

Long Term Reliability
Resin and gel-free



PA66 GF materials make the product **crushproof** under extreme conditions.

- 40 °C
+125 °C



IP68
OZONE

Resistance to external agents (EN60529). In addition: ageing test in air with ozone concentrations (ISO 1431-1).

Halogen free
Made with materials which are in compliance with the most stringent regulations **Reach/RoHS**.

Pb
lead-free



Electrical contacts and screws treated with special coatings to guarantee **high resistance to oxidation**. Versions with silver contacts for **maximum electrical conductivity** in very low voltage applications.

Sulphur free. Sulphur has a negative effect on the LED lifespan.



Resistant to corrosion in saline environment
Corrosion test (EN60068-2-11:2000). Duration 168 hours. (Salt Spray)



UV resistance testing according to EN60079-0. Method of exposure to laboratory light sources to verify UV weathering resistance. Duration 1000 hours.

Resistance to flame
Use of PA66 GF thermoplastic materials, glass fibre reinforced UL94 V2/V0/5VA (f1- UL746C) Glow-wire 850°C/960°C.

max GWT 960 °C



IK08
IK09

Impact resistance (EN62262:2002). IK08/IK09 and IP68 Tests show positive results even after conditioning in hydrochloric acid (HCl) for 168 hours at 70°C. (pH 4.5 and pH 3.5). IK10 products possible upon customer request.

Re-usable and Re-accessible even after long operating periods



Pb
lead-free

QUICK INSTALLATION

Fewer parts to assemble



HIGHER RESISTANCE

to external stresses, chemical-mechanical adherence between plastic and rubber

IP66 **IP68** **IP69K**

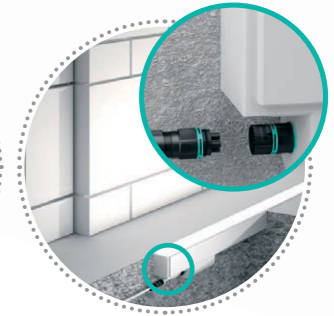


FEWER INSTALLATION MISTAKES

Anti-leakage gaskets

EXTRA PLUGGABLE

Plug and Socket solutions: Reduced cost of installation

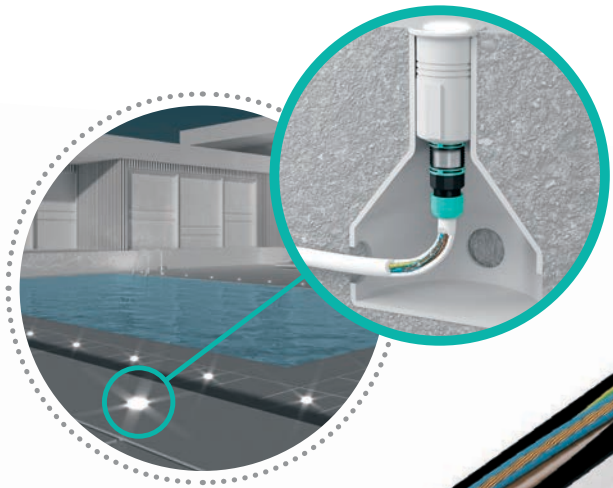


PLUG & PLAY RAPID CONNECTIONS

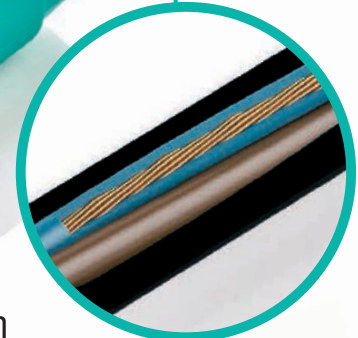
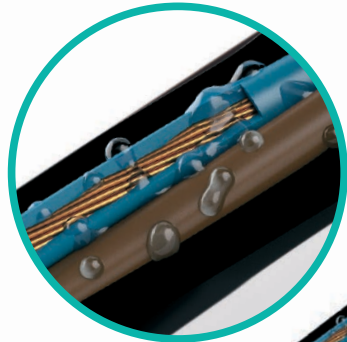
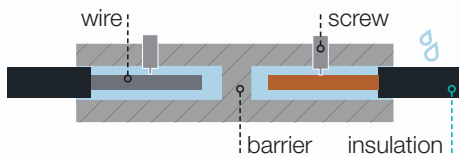
XDRY[®] EXTRA DRY

No more condensation:
Reduced repair and
maintenance cost

Under particular environmental conditions, the accumulation of moisture inside the cable can cause the malfunctioning of electrical devices. The ventilation of the device is not often possible, especially when there is water, debris or installed in very small spaces. In this case the electrical connection is fundamental to ensure the reliability of the system.



NO DIRECT CONTACT AMONGST THE CONDUCTORS



Anti-condensation barrier



The special anti-moisture barrier prevents any moisture or dampness inside the cable from entering the connection and proceeding towards the device installed.

HIGH RELIABILITY

to guarantee
electrical continuity
over time

-90% WATER PENETRATION

Important reduction
of defects caused
by water penetration

READY

for immediate
in-field use

ELECTRICALLY ISOLATED

Absence of
electrical leakage

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