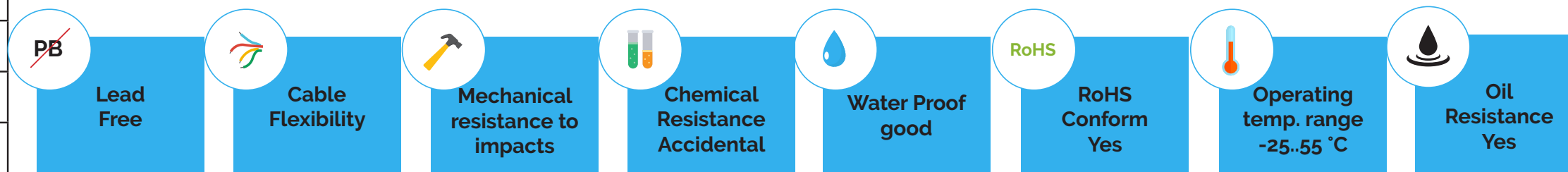


Why Ho7RNF Titanex?

H	Conformity to harmonised standards
07	Identifies the voltage rating as 450/750V
R	Refers to the EPR insulation
N	Relates to the PCP outer sheath
F	Indicates flexible copper conductors within



- > German engineered and manufactured
- > Founded in 1935 by a Guys called Aloys Mennekes, 85 years of experience with in the electrical industry. Family owned business
- > Full range of industrial plugs & sockets 16A – 125A IP44 & IP67 110v, 230V, 400V & 690V
- > Global specialist for industrial plugs and sockets and power distribution systems
MENNEKES plugs and sockets are well known all over the world – and comply with the relevant national and international standards.
- > Durable
- > Safe
- > Less force

Reliable plugs and sockets for:

- > Industrial plants
- > Mining
- > Chemical and petrochemical industries
- > Railway and transport companies
- > Shipyards
- > Food industry
- > Trade fairs and exhibitions
- > Data centres
- > Trade
- > Production industry

Standard: BS 7671:2018
Requirements for electrical installations.
IEE Wiring Regulations.
Eighteenth edition

IDE Cable Testing Procedure



Visual inspection:

- Check selected parts against the Works Order
- Check cable - Sizing/Damage
- Check all Termination tightness
- Check plug & socket – male – female
- Gland is tightened onto cable insulation
- Check serial numbers and company brand/logo



Electrical Dead Test:

- Test Continuity of all conductors L1,L2,L3,N+E
- Insulation Resistance between conductors L1,L2,L3,N+E @ 500V DC



Electrical Live Test:

- Plug in cable to test live socket
- Plug in Martindale tester
- Identify phase indicator illuminate and phase rotation is correct



Final Inspection - Before despatch:

- Test PAT sticker fitted signed & dated
- Coiled neatly and cable tie attached
- All labels Test, Serial and company Logo fitted correctly

Lugged Cable Ends

Lug & cable sizes	120mm Cable	150mm Cable	240mm Cable
M10	✓	✓	✓
M12	✓	✓	✓
M14	✓	✓	✓
M16	✓	✓	✓



Copper Tube Terminals

Cable	Earth (E)	Neutral (N)	Live 1 (L1)	Line 2 (L2)	Line 3 (L3)
Colour	Green	Blue	Brown	Black	Grey

Multi-Core H07RN - F Wiring Colours

- > 2 core: Blue and Brown
- > 3 core: Green/Yellow, Blue, Brown
- > 4 core: Green/Yellow, Brown, Black, Grey
- > 5 core: Green/Yellow, Blue, Brown, Black, Grey

Multi Core Cable Colour Coding

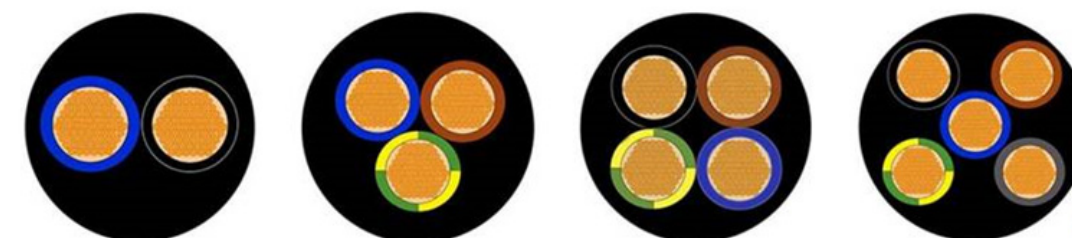
Cable like H07RN-F will have a black outer sheath made of rubber PCP. As a result, within the cable there is a multicore centre that houses the conductors for electrical distribution. Although the number of cores may change, the UK wiring colours will remain the same.

PowerSafe Connectors



Performance Enhancers

- > Increased current carrying capacity (500A/800A)
- > Increased Short Circuit Ratings (35.5Ka)
- > Reduced Insertion Force
- > Rubber Hand Grip for ease of coupling
- > Cable Strain Relief (25mm - 300mm)
- > Manufactured to ISO 9001:2015



Source & Drain Powerlock Connectors

Powersafe are available in source (male Contact/Femal Insulator) & Drain (Female Contact/Male Insulator) format.

800A or 500A Connectors

Powersafe is rated at 500A, the connectors are available with Set Screw Termination for power cables up to 150mm CSA.

Powersafe also offers 800A connectors, the 800A industrial plugs are available with Crimp Termination for larger cable sections up to 300mm CSA.



Get in touch

Speak to an IDE Advisor today

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