

INTERFERENCE RING SEAL SOCKET

PowerProtect+

EF450-019 (Rev3)



Emtelle UK Ltd is a market leading producer of PVC Power Duct Systems within the UK. Our products are designed, manufactured and supplied within an Integrated Management System, incorporating internationally recognised Standards including ISO 9001:2008, ISO 14001:2004 and ISO 18001:2007.

Emtelle's PVC Power Duct Systems are designed to comply with ENATS 12-24. Additional information can be obtained from Generic Specification EF450-014.

Interference Ring Seal (IRS) Socket

Emtelle has enhanced the overall performance of its PVC Power Duct systems by introducing a unique and innovative Interference Ring Seal (IRS) socket which has been purposely designed for power cable placement applications.

This has been achieved by incorporating the features of two traditional industry socket types; the Push-fit Taper (interference) socket, used for IP4X cable installations, and the Ring Seal socket, used where an IP-57 rated joint is required.



Whilst both socket types are perfectly suitable for their applications; amalgamating the features of both into the IRS socket gives the Cable Engineer the best of both worlds, with additional improvements:

- An IP-57 ring-sealed joint which will not allow water ingress. Pressure tested in excess of 10bar.
- A taper-seal combination where the surfaces of the spigot and socket meet, providing a secure connection which is practically impossible for installers to miss-align.
- Every spigot end comes with an internal de-burred chamfer, this in combination with the IRS joint means lipping of the spigot end (which can occur when the duct is flexed) has been virtually eliminated. Reducing the likelihood of cable damage during installation.
- IRS socket joints lend themselves to A) Pressure bentonite injection, B) Pressure water jetting/cable placement and C) Compressed air bond-rope and cable placement.

This marked improvement on a standard Ring Seal socket, can only be achieved using an interference feature, and not by simply extending a parallel socket. Emtelle's IRS socket is completely unique and cannot be found in other PVC duct systems for Power cable applications.

IRS sockets are currently available in Ø110mm, Ø160mm, Ø200mm & Ø250mm duct sizes.

Summary of Benefits

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| <ul style="list-style-type: none"> • Ease of use (Contractor friendly), practically impossible for installers to mis-align. • Lipping virtually eliminated. • Suitable for all duct and cable installation equipment and methods. | <ul style="list-style-type: none"> • IP-57 (water ingress) rated connection. Pressure tested in excess of 10bar. • Smooth and safe cable passage, reducing costly cable damage. • As flexible as Push-fit Taper (interference) socket. |
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