



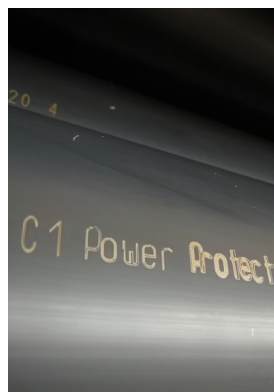
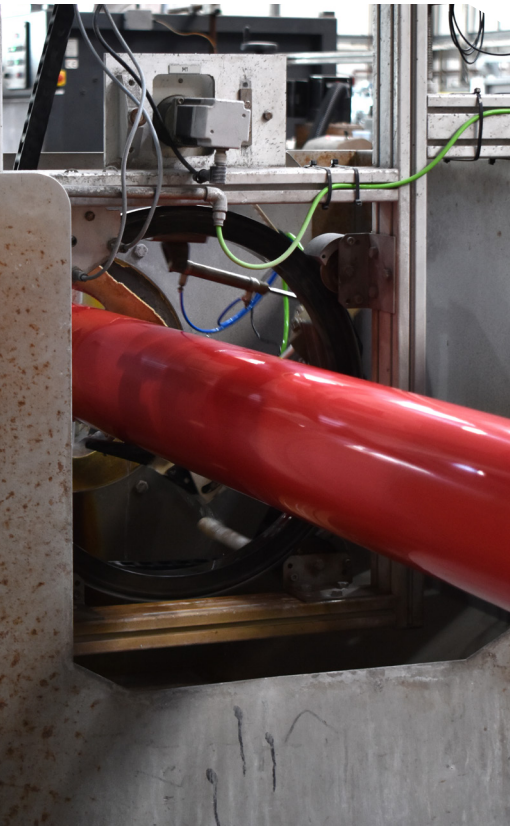
# EMTELLE



## PowerProtect+™

# CLASS 1 UPVC INTERFERENCE RING-SEAL

## (Duct & Accessories)

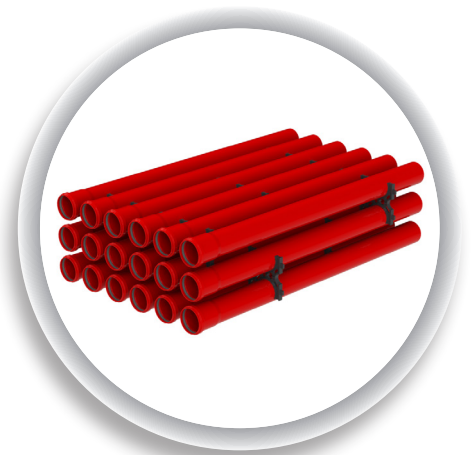


GLOBAL MANUFACTURER OF PRE-CONNECTORISED, BLOWN FIBRE CABLE & DUCTED NETWORK SOLUTIONS



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# PRODUCT OVERVIEW

Emtelle has developed a unique range of Power Duct solutions designed to meet the performance requirements from Underground Power Cables.

## Class 1 Interference Ring Seal (IRS) Features and Benefits

- Meets UK Industry Standards ENATS12-24 Class 1
- Used extensively in the Power & Data Centre Sectors.
- Unique Interference Ring Seal Socket meets IP57 & IP68 classifications for water ingress protection (as per BS EN 60529).
- Solid wall uPVC Power Duct offers high resistance to impact and compression. (450N compression at operating temperature of 75°C).
- Ease of cable placement, with low friction inner surface bespoke long radii bends to meet the requirements of the latest generation of power cables. This reduces whole system costs as longer cabling distances can be achieved, resulting in reduction in expensive cable joints.
- All PowerProtect+ Duct is supplied with an internal de-burr on the spigot ends of ducts which ensures no damage during cable placement and in turn improves cable lifespan. IRS duct also features an externally chamfered spigot end to allow for a smooth installation into an IRS socket.
- Enhanced cable performance through efficient heat dissipation offered by uPVC Power Duct, due to the high compression to wall thickness ratio, compared with alternate systems.
- Comprehensive product range available, covering all possible cable requirements and construction techniques.
- PowerProtect + Duct Systems are re-useable when cables are replaced or repaired, therefore maximising asset life and reducing further disruptions to the roadways and footways.



## 110MM CLASS 1 IRS uPVC DUCT SYSTEMS

### BLACK

#### DUCT



#### BENDS



#### ACCESSORIES



Product Code	Description	Pack QTY
5331	6m	540m / pallet
20839	90° / 0.45m Radius	10 items / bag
21193	45° / 0.56m Radius	10 items / bag
21190	11.25° / 0.7m Radius	20 items / bag
21087	22.5° / 0.7m Radius	10 items / bag
21191	11.25° / 1.2m Radius	10 items / bag
5180	22.5° / 1.2m Radius	10 items / bag
21194	45° / 1.2m Radius	50 items / timber frame
20676	90° / 1.2m Radius	50 items / timber frame
21192	22.5° / 1.75m Radius	10 items / bag
5336	11.25° / 3.5m Radius	10 items / bag

Bespoke bends out-with standard range can be provided

20855	Ring Seal Stop Coupler	20 items / bag
20912	Ring Seal Slip Coupler	20 items / bag
3850	Yellow End Cap	175 items / bag

### RED

#### DUCT



#### BENDS



#### ACCESSORIES



Product Code	Description	Pack QTY
20423	6m	540m / pallet
20548	90° / 0.45m Radius	10 items / bag
21078	45° / 0.56m Radius	10 items / bag
21197	11.25° / 0.7m Radius	20 items / bag
21224	22.5° / 0.7m Radius	10 items / bag
20521	11.25° / 1.2m Radius	10 items / bag
20520	22.5° / 1.2m Radius	10 items / bag
20743	45° / 1.2m Radius	50 items / timber frame
20540	90° / 1.2m Radius	50 items / timber frame
20113	22.5° / 1.75m Radius	10 items / bag
20112	11.25° / 3.5m Radius	10 items / bag

Bespoke bends out-with standard range can be provided

20458	Ring Seal Stop Coupler	20 items / bag
20909	Ring Seal Slip Coupler	20 items / bag
3850	Yellow End Cap	175 items / bag

## 125MM CLASS 1 IRS uPVC DUCT SYSTEMS

### BLACK

#### DUCT



#### BENDS



#### ACCESSORIES



Product Code	Description	Pack QTY
21225	6m	408m / pallet

21226	11.25° / 1.2m Radius	5 items / bag
21227	22.5° / 1.2m Radius	5 items / bag
21228	45° / 1.2m Radius	5 items / bag
21229	90° / 1.2m Radius	50 items / timber frame
21230	11.25° / 3.9m Radius	10 items / bag

Bespoke bends out-with standard range can be provided

20856	Ring Seal Stop Coupler	15 items / bag
20918	Ring Seal Slip Coupler	15 items / bag
9232	Yellow End Cap	250 items / bag

### RED

#### DUCT



#### BENDS



#### ACCESSORIES



Product Code	Description	Pack QTY
21231	6m	408m / pallet

20797	11.25° / 1.2m Radius	5 items / bag
21233	22.5° / 1.2m Radius	5 items / bag
21234	45° / 1.2m Radius	5 items / bag
21235	90° / 1.2m Radius	50 items / timber frame
21236	11.25° / 3.9m Radius	10 items / bag

Bespoke bends out-with standard range can be provided

20846	Ring Seal Stop Coupler	15 items / bag
20847	Ring Seal Slip Coupler	15 items / bag
9232	Yellow End Cap	100 items / bag

# 160MM CLASS 1 IRS uPVC DUCT SYSTEMS

## BLACK

### DUCT



### BENDS



### ACCESSORIES



Product Code	Description	Pack QTY
5338	6m	234m / pallet
21088	22.5° / 0.56m Radius	20 items / pallet
73003	45° / 0.56m Radius	5 items / bag
73002	90° / 0.56m Radius	5 items / timber frame
21032	11.25° / 1.2m Radius	25 items / timber frame
20518	22.5° / 1.2m Radius	25 items / timber frame
20532	45° / 1.2m Radius	25 items / timber frame
20513	90° / 1.2m Radius	25 items / timber frame
5493	11.25° / 3.9m Radius	39 items / pallet
5420	22.5° / 3.9m Radius	39 items / timber frame

Bespoke bends out-with standard range can be provided

20850	Ring Seal Stop Coupler	10 items / bag
20853	Ring Seal Slip Coupler	10 items / bag
5029	Yellow End Cap	20 items / bag

## RED

### DUCT



### BENDS



### ACCESSORIES



Product Code	Description	Pack QTY
20211	6m	234m / pallet
21073	22.5° / 0.56m Radius	20 items / pallet
21200	45° / 0.56m Radius	5 items / bag
20529	90° / 0.56m Radius	25 items / timber frame
20559	11.25° / 1.2m Radius	25 items / timber frame
20744	22.5° / 1.2m Radius	25 items / timber frame
20608	45° / 1.2m Radius	25 items / timber frame
20528	90° / 1.2m Radius	25 items / timber frame
5493R	11.25° / 3.9m Radius	39 items / pallet
5420R	22.5° / 3.9m Radius	39 items / timber frame

Bespoke bends out-with standard range can be provided

20603	Ring Seal Stop Coupler	15 items / bag
20628	Ring Seal Slip Coupler	15 items / bag
5029	Yellow End Cap	250 items / bag

# 180MM CLASS 1 IRS uPVC DUCT SYSTEMS

## BLACK

### DUCT



### BENDS



### ACCESSORIES



Product Code	Description	Pack QTY
20958	6m	168m / pallet

20962	11.25° / 3.9m Radius	25 items / timber frame
21170	22.5° / 3.9m Radius	25 items / timber frame

Bespoke bends out-with standard range can be provided

20999	Ring Seal Stop Coupler	5 items / bag
71671	Yellow End Cap	100 items / bag

## RED

### DUCT



### BENDS



### ACCESSORIES



Product Code	Description	Pack QTY
21220	6m	168m / pallet

21221	11.25° / 3.9m Radius	25 items / timber frame
21222	22.5° / 3.9m Radius	25 items / timber frame

Bespoke bends out-with standard range can be provided

21223	Ring Seal Stop Coupler	5 items / bag
71671	Yellow End Cap	175 items / bag



## 200MM CLASS 1 IRS uPVC DUCT SYSTEMS

### BLACK

#### DUCT



#### BENDS



#### ACCESSORIES



Product Code	Description	Pack QTY
5305T	6m	150m / pallet

5694	11.25° / 3.9m Radius	25 items / timber frame
9497	22.5° / 3.9m Radius	25 items / timber frame

Bespoke bends out-with standard range can be provided

20959	Ring Seal Stop Coupler	5 items / bag
20985	Ring Seal Slip Coupler	5 items / bag
9233	Grey End Cap	35 items / bag

### RED

#### DUCT



#### BENDS



#### ACCESSORIES



Product Code	Description	Pack QTY
20339	6m	150m / pallet

20110	11.25° / 3.9m Radius	25 items / timber frame
20111	22.5° / 3.9m Radius	25 items / timber frame

Bespoke bends out-with standard range can be provided

20960	Ring Seal Stop Coupler	5 items / bag
20980	Ring Seal Slip Coupler	5 items / bag
9233	Yellow End Cap	35 items / bag

## 250MM CLASS 1 IRS uPVC DUCT SYSTEMS

### BLACK

#### DUCT



#### BENDS



#### ACCESSORIES



Product Code	Description	Pack QTY
20394	6m	96m / pallet

70612	11.25° / 3.9m Radius	16 items / pallet
70613	22.5° / 3.9m Radius	16 items / timber frame

Bespoke bends out-with standard range can be provided

21154	Ring Seal Stop Coupler	3 items / bag
21155	Ring Seal Slip Coupler	3 items / bag
70946	Grey End Cap	25 items / bag

### RED

#### DUCT



#### BENDS



#### ACCESSORIES



Product Code	Description	Pack QTY
20338	6m	96m / pallet

21028	11.25° / 3.9m Radius	16 items / pallet
20129	22.5° / 3.9m Radius	16 items / timber frame

Bespoke bends out-with standard range can be provided

21152	Ring Seal Stop Coupler	3 items / bag
21153	Ring Seal Slip Coupler	3 items / bag
70946	Grey End Cap	25 items / bag






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