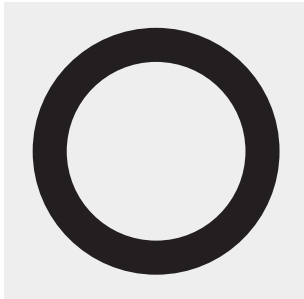


PRODUCT DATA SHEET

SIMONA Peak ClearDuct Beadless ECD C1+ (PE100)



Specification overview

- ENA TS 12-24 Issue 4 2021
- PE100 - Black C1+
- Beadless Welding
- Fast Welding Parameters
- Suitable for HDD installation

Robust beadless ducting for the protection of high voltage electric cables including signal and data cable infrastructure.

Suitable for installation via horizontal directional drilling.

OD	SDR	Classification	Material
125 - 315mm	9	C1+	PE100
110 - 315mm	11	C1+	PE100

Benefits

- High productivity bespoke welding parameters (up to 45% quicker than standard)*
- No requirement to internally debead the weld
- Mitigated risk of cable sheath damage during installation
- Bi-directional cable pulling vs PVC single direction of pull
- Ultimate protection for LV/HV cables
- 50+ years operational design life
- Optimum compressive strength

Lengths

Pipes ≥ 110 mm in diameter will be supplied in standard lengths of 6, 12 or 13.5m/15m*
Bespoke lengths can be produced on request

Markings

All products will be marked on one side with characters at least 8mm high in a contrasting colour to the pipe material ≥ 110 mm in diameter. Markings repeated every meter

The following identification and traceability marks are printed once every metre;

- Manufacturers identification: SIMONA Peak Pipe Systems
- Application Identifier: "ELECTRIC CABLE DUCT"
- Brand: ClearDuct
- Material designation: PE100
- Classification: C1+
- Standard number: ENA TS 12-24
- SDR value: SDR11 (example)
- Outside diameter: 250mm (example)
- Manufacturing code: (Contains date)

*Size dependant / compared to standard WIS 4-32-08 welding parameters

PRODUCT DATA SHEET

SIMONA Peak ClearDuct Beadless ECD C1+ (PE100)

Suitable jointing methods

Butt fusion - HDD installation

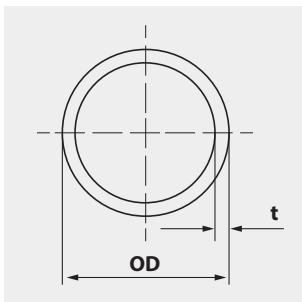
Note: ClearDuct by Peak Pipe Systems Welding Parameters only

Approved Welding Machines

- [Hy-Ram WeldMaster ABF](#)
- [Fusion Gator 2 ABF](#)

Dimensions

Maximum ovality 5% @ 450N force applied @ 75°C or equivalent at 20°C



Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
110	110.7	9	12.3	13.7	3.8	84.4
125	125.8	9	14	15.6	4.9	95.8
160	161	9	17.9	19.8	8	122.7
180	181.1	9	20.1	22.3	10.2	138.2
200	201.2	9	22.4	24.8	12.6	153.4
225	226.4	9	25.2	27.9	15.9	172.5
250	251.5	9	27.9	30.8	19.6	192
280	281.7	9	31.3	34.6	24.6	214.9
315	316.9	9	35.2	38.9	31.1	241.8
110	110.7	11	10	11.1	3.2	89.2
125	125.8	11	11.4	12.7	4.1	101.2
160	161	11	14.6	16.2	6.7	129.7
180	181.1	11	16.4	18.2	8.5	146

PRODUCT DATA SHEET

SIMONA Peak ClearDuct Beadless ECD C1+ (PE100)

Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
200	201.2	11	18.2	20.2	10.5	162.2
225	226.4	11	20.5	22.7	13.3	182.5
250	251.5	11	22.7	25.1	16.3	203
280	281.7	11	25.4	28.1	20.5	227.3
315	316.9	11	28.6	31.6	25.9	255.8