

PRODUCT DATA SHEET

SIMONA Peak Electric Cable Ducting C1+ (PE100) ENA TS 12-24



Specification overview

- ENA TS 12-24 Issue 4 2021
- PE100 - Black

Bespoke upon request, MOQs apply

- PE100 - Green skin/Black core
- PE100 - Purple skin/Black core
- PE100 - Orange skin/Black core
- PE100 - Red skin/Black core

Robust 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
90 - 450mm	7.4	C1+	PE100
63 - 450mm	9	C1+	PE100
63 - 630mm	11	C1+	PE100

Lengths

Pipes ≤ 180mm in diameter will be supplied in coil lengths of 25, 50, 100, 150m or lengths of 6 or 12m.
Pipes ≥ 200mm in diameter will be supplied in standard lengths of 6, 12 or 13.5m.
Bespoke lengths can be produced on request

Markings

All products will be marked on one side with characters at least 6mm high in a contrasting colour to the pipe material <75mm in diameter.

All products will be marked on two side with characters at least 8mm high in a contrasting colour to the pipe material >90mm in diameter. Markings repeated every metre.

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

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

Suitable jointing methods

Butt fusion - HDD installtion

Electrofusion Fittings - Open trench installations

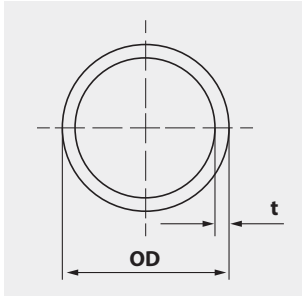
Note: Maximum system pressure is only rated to the lowest performing component

Dimensions

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

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Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
90	90.6	7.4	12.3	13.7	3.0	64.3
110	110.7	7.4	15.1	16.8	4.5	78.4
125	125.8	7.4	17.1	19	5.8	89.2
140	140.9	7.4	19.2	21.3	7.3	99.9
160	161	7.4	21.9	24.2	9.5	114.3
180	181.1	7.4	24.6	27.2	12.1	128.8
200	201.2	7.4	27.4	30.3	14.9	142.8
225	226.4	7.4	30.8	34	18.9	160.9
250	251.5	7.4	34.2	37.8	23.3	178.8
280	281.7	7.4	38.3	42.3	29.2	200.3
315	316.9	7.4	43.1	47.6	37.0	225.2
355	357.2	7.4	48.5	53.5	46.9	254.1
400	402.4	7.4	54.7	60.3	59.5	286.2
450	452.7	7.4	61.5	67.8	75.3	322
63	63.4	9	7.1	8	1.3	48
90	90.6	9	10.1	11.3	2.6	68.9
110	110.7	9	12.3	13.7	3.8	84.4
125	125.8	9	14	15.6	4.9	95.8
140	140.9	9	15.7	17.4	6.2	107.3
160	161	9	17.9	19.8	8	122.7
180	181.1	9	20.1	22.3	10.2	138.2

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Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
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
355	357.2	9	39.7	43.8	39.5	272.5
400	402.4	9	44.7	49.3	50.2	307.2
450	452.7	9	50.3	55.5	63.5	345.6
63	63.4	11	5.8	6.5	1.1	50.8
90	90.6	11	8.2	9.2	2.1	72.9
110	110.7	11	10	11.1	3.2	89.2
125	125.8	11	11.4	12.7	4.1	101.2
140	140.9	11	12.7	14.1	5.1	113.7
160	161	11	14.6	16.2	6.7	129.7
180	181.1	11	16.4	18.2	8.5	146
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
355	357.2	11	32.2	35.6	32.9	288.3
400	402.4	11	36.3	40.1	41.8	324.8
450	452.7	11	40.9	45.1	52.9	365.4
500	503	11	45.4	50.1	65.3	405.9
560	563.4	11	50.8	56	81.8	454.9
630	633.8	11	57.2	63.1	103.6	511.5