



Class 1 uPVC Electric Cable Ducts

Material and Technical Data Sheet

Minimum O/D mm	Maximum O/D mm	Nominal I/D mm	Pipe length (mm)		Nominal Weight kg/m	Nominal Socket length-mm	Insertion Linemark mm	Duct Marking	Ducts Per Pack
			min	max					
38.0	38.10	34.00	6000	6010	0.36	50	40	Laser x 2	495
53.9	54.00	49.00	6000	6010	0.64	70	60	Laser x 2	371
88.9	89.10	82.00	6000	6010	1.4	90	80	Laser x 2	138
96.5	96.70	90.00	6000	6010	1.6	100	90	Laser x 2	116
110.0	110.30	102.50	6000	6010	2.0	120	110	Laser x 3	95
125.0	125.40	116.00	6000	6010	2.6	125	115	Laser x 3	77
160.0	160.50	150.00	6000	6010	3.7	160	150	Laser x 3	46
200.0	200.60	187.50	6000	6010	5.7	200	190	Laser x 3	25
225.0	225.60	213.00	6000	6010	7.5	200	190	Laser x 3	20
250.0	250.70	235.00	6000	6010	8.7	250	240	Laser x 3	14

38.0	38.10	34.00	3000	3010	0.36	50	40	Laser x 2	495
53.9	54.00	49.00	3000	3010	0.64	70	60	Laser x 2	371
88.9	89.10	82.00	3000	3010	1.4	90	80	Laser x 2	138
96.5	96.70	90.00	3000	3010	1.6	100	90	Laser x 2	116
110.0	110.30	102.50	3000	3010	2.0	120	110	Laser x 3	95
125.0	125.40	116.00	3000	3010	2.6	125	115	Laser x 3	77
160.0	160.50	150.00	3000	3010	3.7	160	150	Laser x 3	46
200.0	200.60	187.50	3000	3010	5.7	200	190	Laser x 3	25
225.0	225.60	213.00	3000	3010	7.5	200	190	Laser x 3	20
250.0	250.70	238.00	3000	3010	8.7	250	240	Laser x 3	14

Euro Pipeline uPVC electrical cable ducts are supplied in accordance with electrical industry standard ENATS 12-24 Class 1 and EN61386-24 , with single wall, are non-coilable and are designed for underground use. All products are supplied within the scope of Euro Pipeline's ISO 9001 quality system.

The ducts come complete with integral sockets, either with IP4X interference fit socket or with IP68 ring seal socket and in standard lengths of 3m or 6m. The standard colours are red & black with other colours being available on request.

Ducts are supplied bundled, packed in wooden U-frames, the frames being constrained using steel strapping.

Duct bundles must be stored on level firm ground and may be stacked up to 3 high, subject to customer site risk assessment for stacking at height.



Material and Product Technical Data and ENA TS 12-24 Compliance.

Characteristic	Test standard(s)	Performance
Construction, and visual inspection	ENA TS 12-24 Clause 9, routine test, tested by visual inspection	Cs1 Full compliance. Pipes are round, concentric with smooth bore and ends cut perpendicular to the pipe axis. All plain and spigot ends are externally chamfered and internally radiused to prevent the risk of cable damage during cabling. The pipes are free from cracks, inclusions, delaminations or other defects.
Dimensions	ENA TS 12-24 Clause 8, sample test, tested by calibrated measuring instruments	Cs1 Full compliance.
Resistance to deformation under compression	ENA TS 12-24 Clause 10.2, sample and type test, tested by compression testing machine within temperature controlled chamber to determine the force required to achieve 5% deflection.	Cs1 Full compliance >450N at 75°C for Class 1 >450N at 50°C for Class 2
Resistance to impact at -5°C	ENA TS 12-24 Clause 10.3, sample test, meeting the specified impact energy requirements listed in EN 61384-24 on each of 14 samples at -5°C	Cs1 Full compliance >28J for pipe nominal sizes 91 - 140mm at -5°C >40J for nominal pipe sizes >140mm at -5°C
Heat Reversion	ENA TS 12-24 Clause 16.5, sample test, in air circulating oven at 150°C	Cs1 Full compliance <5% change in length
Marking, and Marking Durability	ENA TS 12-24 Clauses 7.2 To 7.8 by visual inspection for the Marking, and by the specified Clause 7.6 of EN 61384-1 for durability (wiping first with water, then wiping with petroleum spirit)	Cs1 Full compliance, with all marking requirements included, and no marking removed or legibility impaired after the durability test. (All pipes are laser printed)
Degree of protection against ingress of foreign objects	ENA TS 12-24 Clause 14 and EN 60529 test methods	Cs1 Full compliance. Interference fit sockets are IP4X, and ring seal sockets are IP68
Vicat Softening test	ENA TS 12-24 Clause 16.2, tested as per EN ISO 2507-1:2017	Cs1 Full compliance >75°C
Static Friction Coefficient	ENA TS 12-24 Clause 16.3	Cs1 Full compliance <0.27