

Metal-Free DuraFit Connector



DESCRIPTION

Make connections between MicroDucts quickly and easily without the need for tools. Transparent design affords greater control when connecting MicroDucts and enables visual confirmation of the presence of a cable. Available with pre-installed safety clips. Totally metal-free design. Different products for DB and for DI applications.

APPLICATION

For use with MicroDucts in direct-buried or sub-duct applications.

MAIN CHARACTERISTICS

Material

Body: Clear Polyamide (PA)
Spring material: Polyacetal
Seal: Nitrile rubber (NBR)
Locking clip: Polyacetal

Temperature

Working: -20°C to +50°C
Installation: -10°C to +50°C
Transport and storage: -10°C to +50°C

Pressure

Installation: 30 bar
Operation: 15 bar

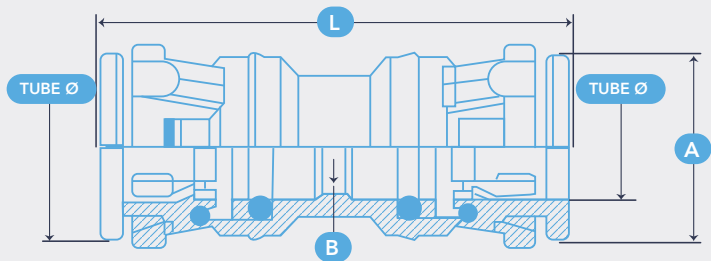
Standards

General: EN 50411-2-8
Lifetime: 3 months aging at 60 °C

Other

UV Resistant: No
Insertion force 5-10 mm: <50 N
Insertion force 12-18 mm: <120N
Operational lifetime: 25+ years
Impact resistance 3-5 mm: 0.7 joule
Impact resistance 7-10 mm: 1 joule
Impact resistance 12-18 mm: 2 joule

TECHNICAL SPECIFICATIONS



Size	A (mm)	B (mm)	L (mm)	Pull out force min (N)
5/3.5 mm	12.4±0.2	3.5±0.12	39.0±0.5	160
7/3.5 mm	16.3±0.2	3.5±0.12	41.2±0.5	350
7/4.0 mm	16.3±0.2	4.0±0.12	41.2±0.5	300
7/5.5 mm	16.3±0.2	5.5±0.12	41.2±0.5	200
8/5.0 mm	17.7±0.2	5.0±0.12	43.0±0.5	350
8/6.0 mm	17.7±0.2	6.0±0.12	43.0±0.5	300
10/5.5 mm	20.2±0.2	5.5±0.12	48.0±0.5	450
10/6 mm	20.2±0.2	6.0±0.12	48.0±0.5	600
10/8 mm	20.2±0.2	8.0±0.12	48.0±0.5	400
12/8 mm	23.0±0.2	8.0±0.12	51.7±0.5	900
12/10 mm	23.0±0.2	10.0±0.12	51.7±0.5	450
14/10 mm	25.6±0.2	10.0±0.12	59.2±0.5	900
14/12 mm	25.6±0.2	12.0±0.12	59.2±0.5	500
16/12 mm	30.0±0.2	12.0±0.12	66.0±0.5	1000

PRODUCT VARIATIONS

Material Description	Pull out force (N)	Packaging Volume (pcs)	SAP code
Metal-Free DuraFit Connector for 5/3.5mm	200	10	20020395
Metal-Free DuraFit Connector for 7/3.5mm	400	10	20020396
Metal-Free DuraFit Connector for 7/5.5mm	400	10	20020402
Metal-Free DuraFit Connector for 8/5mm	450	10	20020397
Metal-Free DuraFit Connector for 8/6mm	450	10	20020403
Metal-Free DuraFit Connector for 10/5.5mm	490	10	20020398
Metal-Free DuraFit Connector for 10/8mm	490	10	20020404
Metal-Free DuraFit Connector for 12/8mm	560	10	20020399
Metal-Free DuraFit Connector for 12/10mm	560	10	20020405
Metal-Free DuraFit Connector for 14/10mm	800	10	20020400
Metal-Free DuraFit Connector for 14/12mm	800	10	20020406
Metal-Free DuraFit Connector for 15/12mm	1380	10	20020407
Metal-Free DuraFit Connector for 16/12mm			20020401