

Direct Buried Duct Assembly, Dielectric

MPB30244xxUV – TIA 598 Color Scheme



FEATURES

- Heavy-duty design
- Dielectric
- 1, 2, 4, 7, 12, 19 and 24 sub-duct options
- Low friction inner surface for maximum installation lengths
- Excellent environmental properties
- Tracer Wire for easy locate

APPLICATION

The tight protected duct assemblies consist of a number of micro ducts with an inner low friction, antistatic surface that enables installation of air blown fiber.

The duct assemblies are bundled with a single or dual HDPE sheath depending on configuration. The design makes the ducts suitable for installation directly into the ground. The round structure enables easy splicing and sealing at joints and branch locations. The micro ducts are optimized for best performance in combination with the Hexatronic Stingray Air Blown Fiber Unit and Nano Cable.

DESIGN

The duct assemblies are available in seven versions with 1 to 24 sub-ducts. Each microduct has an outer/inner diameter of 5/3.5 mm.

MARKING

Duct assemblies have markings showing the tube length. The individual microducts are numbered and also identified by their color and position in the bundle.

DIRECT BURIED DIELECTRIC DUCT ASSEMBLY – MPB30244xxUV



TYPICAL DATA

Temperature range
 Operation.....-40 to +140°F
 Storage.....-40 to +140°F
 Installation.....-4 to +122°F

Material

Microducts and outer sheath: HDPE
 Inner sheath: PP

CONFORMANCE

Abrasion..... IEC 60794-1-21-E2B method 1
 Kink..... IEC 60794-1-21-E10, 20 x outer dia
 Impact IEC 60794-1-21-E4
 Crush..... IEC 60794-1-21-E3, 2000 N
 Tensile..... IEC 60794-1-21-E1
 Bend..... IEC 60794-1-21-E11
 Torsion..... IEC 60794-1-21-E7
 Flexibility IEC 60794-1-21-E8

DELIVERY INFORMATION

Supplied lengths.....1640, 3280, 6560ft

ORDERING INFORMATION

PRODUCT NUMBER	TYPE	LENGTH (ft)	OUTER DIA (mm)	WEIGHT (lb/ft)	MIN BEND RADIUS (mm/In)	MAX PULLING FORCE (lbs)
MPB302441UV6	1-way	1640	9.9	0.044	120 / 4.7	33
MPB302441UV7	1-way	3280	9.9	0.044	120 / 4.7	33
MPB302441UV8	1-way	6560	9.9	0.044	120 / 4.7	33
MPB302442UV6	2-way	1640	15.2x10.2	0.067	170 / 6.7	45
MPB302442UV7	2-way	3280	15.2x10.2	0.067	170 / 6.7	45
MPB302442UV8	2-way	6560	15.2x10.2	0.067	170 / 6.7	45
MPB302444UV6	4-way	1640	18.9	0.155	190 / 7.5	101
MPB302444UV7	4-way	3280	18.9	0.155	190 / 7.5	101
MPB302444UV8	4-way	6560	18.9	0.155	190 / 7.5	101
MPB302447UV6	7-way	1640	22.2	0.202	220 / 8.7	168
MPB302447UV7	7-way	3280	22.2	0.202	220 / 8.7	168
MPB302447UV8	7-way	6560	22.2	0.202	220 / 8.7	168
MPB3024412UV6	12-way	1640	27.1	0.276	290 / 11.4	270
MPB3024412UV7	12-way	3280	27.1	0.276	290 / 11.4	270
MPB3024412UV8	12-way	6560	27.1	0.276	290 / 11.4	270
MPB3024419UV6	19-way	1640	31.9	0.363	320 / 12.6	427
MPB3024419UV7	19-way	3280	31.9	0.363	320 / 12.6	427
MPB3024419UV8	19-way	6560	31.9	0.363	320 / 12.6	427
MPB3024424UV6	24-way	1640	37.8	0.457	380 / 15.0	540
MPB3024424UV7	24-way	3280	37.8	0.457	380 / 15.0	540
MPB3024424UV8	24-way	6560	37.8	0.457	380 / 15.0	540

TIA 598 COLOR CODE SCHEME

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
13	14	15	16	17	18	19	20	21	22	23	24
Blue —	Orange —	Green —	Brown —	Slate —	White —	Red —	Black	Yellow —	Violet —	Rose —	Aqua —