Neonflex Side Bend White 24V

Neonflex Side Bend White 24V is a flexible linear lighting solution for clean, continuous lines of white light in architectural applications. With side-bend flexibility, it smoothly navigates tight curves, circular forms, and contours. Ideal for curved facades, circular features, and artistic installations requiring lateral bending.

Engineered for reliable outdoor performance, it delivers consistent white illumination through PWM control with CRI ≥80-90 for accurate color rendering. Housed in robust silicone with nylon connector material and rated IP68 and IK08, it withstands UV, saltwater, and extreme temperatures from -40°C to +55° for long-term outdoor durability.

↘ Side-bending – With tight radius options enables seamless integration into curved architectural elements and circular installations.

↘ Durability – IP68/IK08 rating with saltwater resistance and over 70,000 hour lifespan ensures reliable performance in harsh outdoor environments.

CE RoHS UL IP68 IK08



Specifications

General

Power Consumption (W/m)	1010/0816/1616/2222		10
	1121/1128/2222		12 15
Input Voltage (V DC)	24		
LEDs (/m)	1010		120
	1616/2222	(10W)	144
	1121/1128	(12W)	60
	1121/1128/2222	(15W)	84
LED Pitch (mm)	1010		8,33
	1616/2222	(10W)	6,94
	1121/1128	(12W)	16,67
	1121/1128/2222	(15W)	11,90
Color Range	White		
Beam Angle (°)	1010/1121/1616/2222		120
	1128		270
LEDs Segment	1010/1616/2222	(10W)	12
	1121/1128	(12W)	6
	1121/1128/2222	(15W)	7
CRI	≥80, ≥90		
Control	PWM		

Installation Conditions & Lighting Data

Segment Length (mm)	0816/1010 1121/1128	(10W) (12W)	100
	1121/1128 1616/2222	(15W)	83,3
Bending Radius (mm)	0816/1121/1128		80
	1010/1616		150
	2222		400
Maximum Run Length Single Feed (m)	1010		5
	0816/1121/1128 1616/2222	(12W) (10W)	10
	1121/1128 2222	(15W)	8
Lumen Maintenance Calculated Hours (h)	70,000 Hours L70 @ 25°C 50,000 Hours L70 @ 50°C		

Operating

Environment	Outdoor
Installation Temperature (°C)	0 to +50
Working Temperature (°C)	-40 to +55
Saltwater Resistant	Yes
UV Resistant	Yes
Flame Resistant	Yes
IK Rating	IK08
IP Rating	IP68
Certification	RoHs/CE/UL/UKCA/CB/FCC
Limited Warranty	5 Years

Physical

Housing Material	Silicon	
Cover Material	Silicon	
Connector Material	Nylon (PA66)	
Housing Color	White	
Cable Color	Black	
Connector Type	Bare Wire/M12	
Weight (kg/m)	1010	0,40
	1121	0,45
	1128 (12W)	0,45
	1128 (15W)	0,55
	1616	0,45
	2222	0,60
Dimensions WxH (mm)	1010	10 x 10
	1121	11,5 x 21
	1128 (12W)	11,5 x 28
	1128 (15W)	11,5 x 28
	1616	16,5 x 16,5
	2222	22,4 x 22,6

Options

Color/CCT

- ☐ 2200K
- ☐ 2700K
- ☐ 3000K
- ☐ 3500K
- ☐ 4000K
- ☐ 4500K
- ☐ 5000K
- ☐ 6500K

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Lighting Specifications

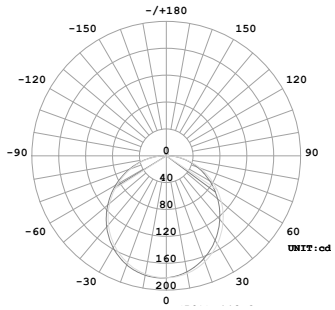
Neonflex Side Bend

	Full White (lm/m)
1010 2200K	544
1010 2700K	553
1010 3000K	662
1010 3500K	640
1010 4000K	648
1010 4500K	
1010 5000K	647
1010 6500K	
0816 2200K	332
0816 2700K	367
0816 3000K	391
0816 3500K	385
0816 4000K	384
0816 4500K	
0816 5000K	
0816 6500K	
1121 2200K 12W	390
1121 2700K 12W	541
1121 3000K 12W	567
1121 3500K 12W	529
1121 4000K 12W	568
1121 4500K 12W	502
1121 5000K 12W	513
1121 6500K 12W	486

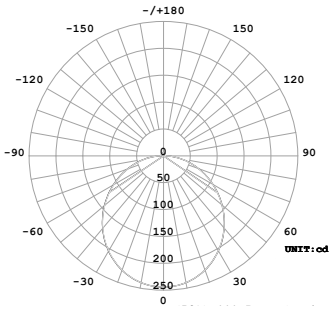
	Full White (lm/m)
1121 2200K 15W	
1121 2700K 15W	
1121 3000K 15W	
1121 3500K 15W	
1121 4000K 15W	
1121 4500K 15W	
1121 5000K 15W	
1121 6500K 15W	
1616 2200K 10W	
1616 2700K 10W	
1616 3000K 10W	
1616 3500K 10W	
1616 4000K 10W	
1616 4500K 10W	
1616 5000K 10W	
1616 6500K 10W	
1128 2200K 12W	338
1128 2700K 12W	419
1128 3000K 12W	441
1128 3500K 12W	444
1128 4000K 12W	478
1128 4500K 12W	419
1128 5000K 12W	418
1128 6500K 12W	437

	Full White (lm/m)
1128 2200K 15W	
1128 2700K 15W	
1128 3000K 15W	
1128 3500K 15W	
1128 4000K 15W	
1128 4500K 15W	
1128 5000K 15W	
1128 6500K 15W	
2222 2200K 10W	
2222 2700K 10W	
2222 3000K 10W	
2222 3500K 10W	
2222 4000K 10W	
2222 4500K 10W	
2222 5000K 10W	
2222 6500K 10W	
2222 2200K 15W	786
2222 2700K 15W	1018
2222 3000K 15W	935
2222 3500K 15W	1113
2222 4000K 15W	1021
2222 4500K 15W	972
2222 5000K 15W	1058
2222 6500K 15W	1019

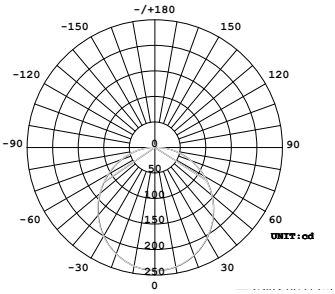
Photometric Distribution



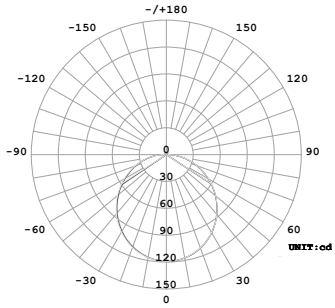
1010 - 112.8° Average Beam Angle



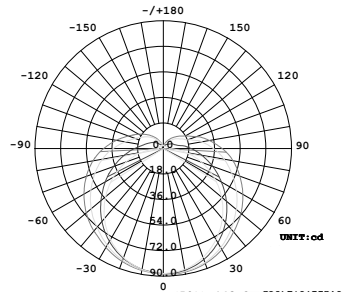
1121 - 111.5° Average Beam Angle



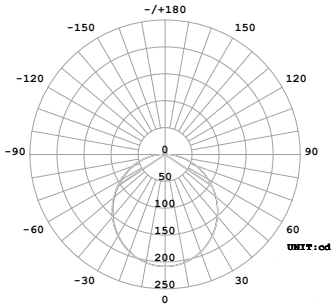
1616 - 113.2° Average Beam Angle



0816 - 113.1° Average Beam Angle

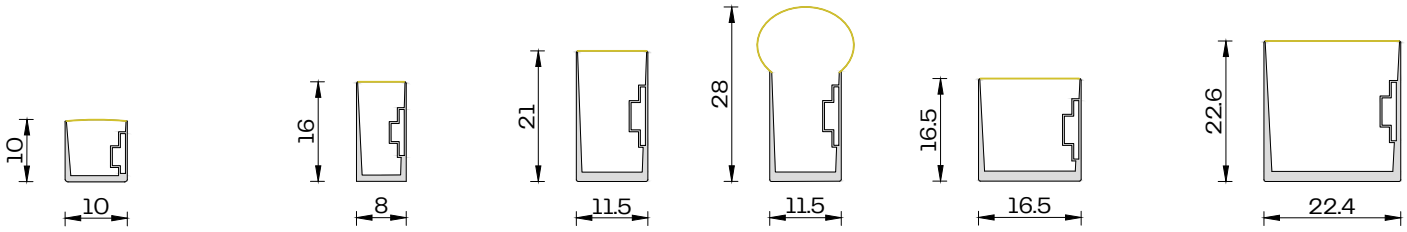


1128 - 143.2° Average Beam Angle



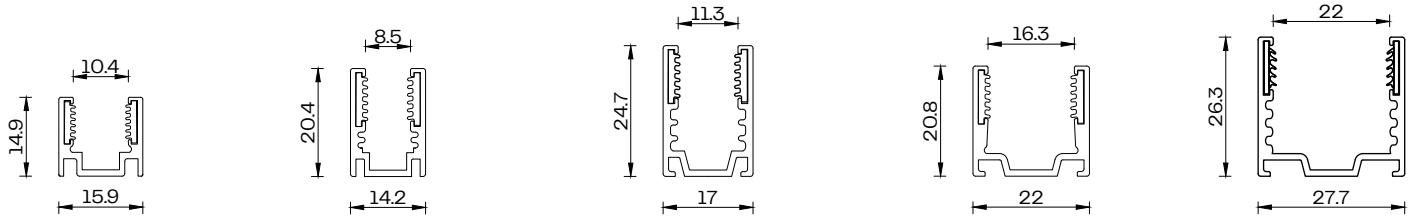
2222 - 112.9° Average Beam Angle

Dimensions



1010 0816 1121 1128 1616 2222

Accessory Options



1010[1]
Straight Profile
Clip Profile
Curved Profile
Straight Profile Transparent

0816[1]
Straight Profile
Clip Profile

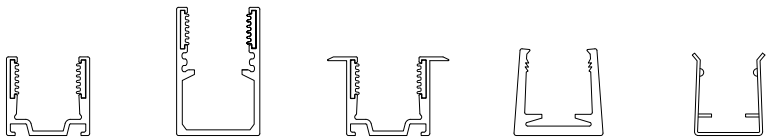
1121 / 1128[1]
Straight Profile
Clip Profile
Straight Profile Cable Duct
Straight Profile Transparent
Curved Profile

1616[1]
Straight Profile
Clip Profile
Straight Profile Cable Duct
Straight Profile Recessed
Straight Profile Transparent
Curved Profile
Curved Profile Cable Duct
Recessed Profile End Cap

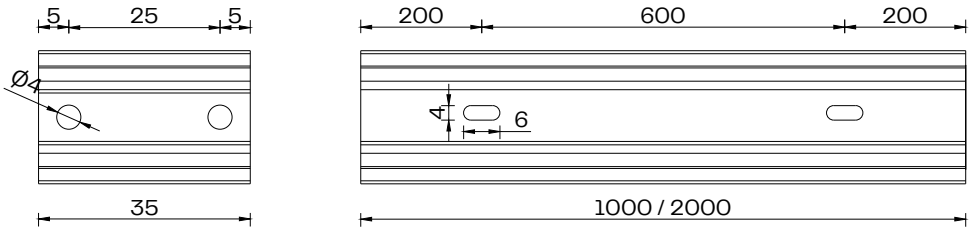
2222[1]
Straight Profile
Clip Profile
Straight Profile Cable Duct
Curved Profile

[1]Straight Profile is shown. The dimensions shown are not to scale. Please refer to the Dimension Sheet document for additional dimensions.

Profile Specifications



Profile Cable Duct Recessed Transparent Flex



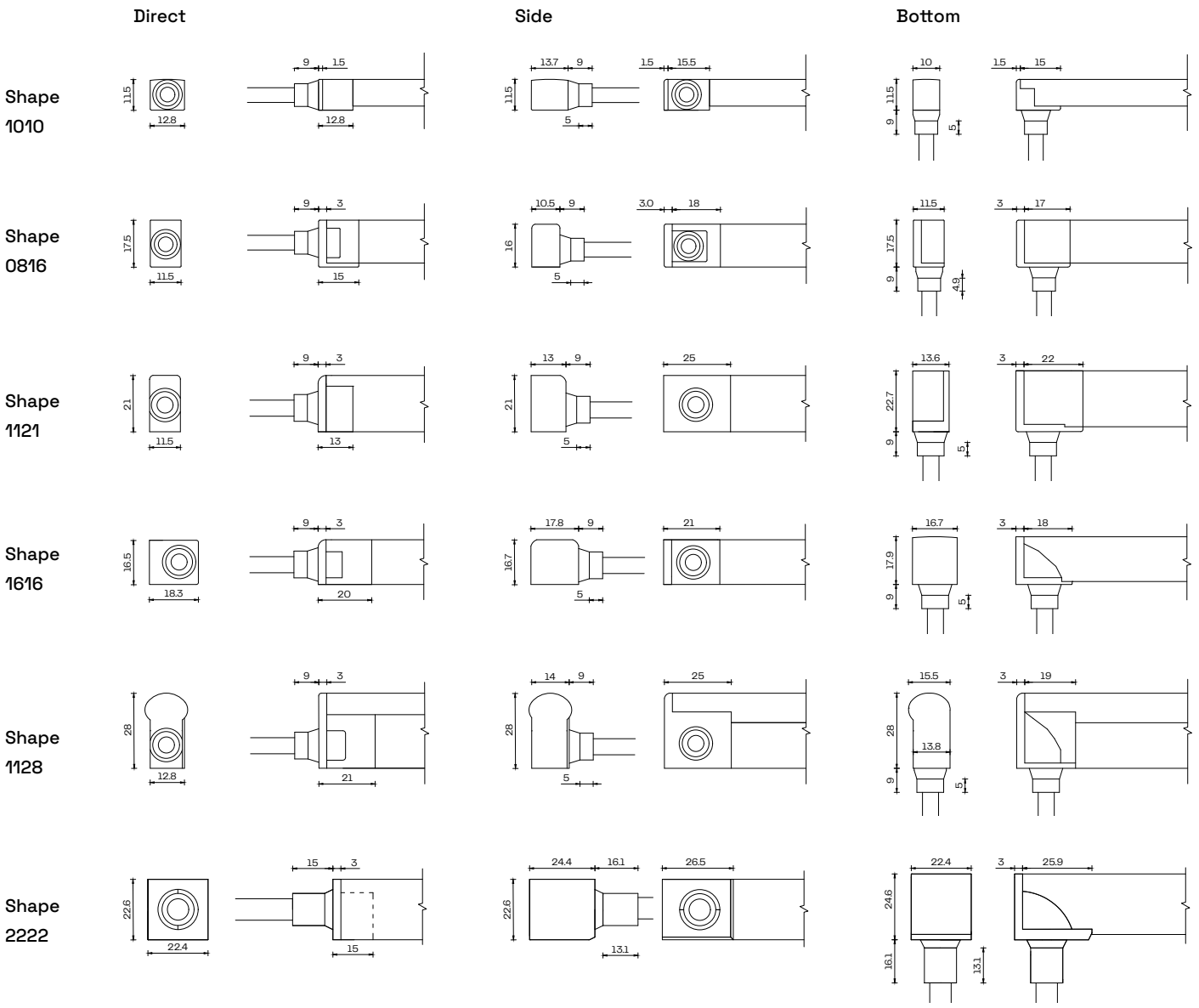
Clip Profile Mounting Profile[1]

[1]1000mm profile is standard. 2000mm is available to order.

Physical

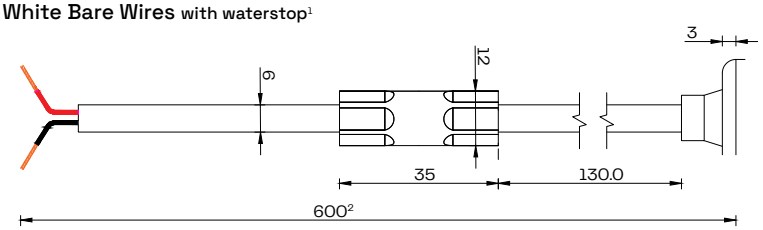
Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile finish	Blank Anodized

Cable Entry Options



Connection Options

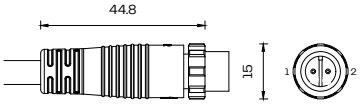
White Bare Wires with waterstop[1]



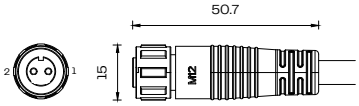
Wire Color

Red	24 V+
Black	GND

M12 Male Connector[3]



M12 Female Connector



Connector Pin

Pin 1	Red	24 V+
Pin 2	Black	GND

[1]Removing the waterstop will void the warranty.
[2]600 mm cable length is standard. Custom length is available on request.
[3]When opting for M12 connector the cable including connector is 300 mm.

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Product References

Neonflex

Reference	Description
3172167	Neonflex Side Bend 1010 2200K
3172168	Neonflex Side Bend 1010 2700K
3172169	Neonflex Side Bend 1010 3000K
3172170	Neonflex Side Bend 1010 3500K
3172171	Neonflex Side Bend 1010 4000K
3172172	Neonflex Side Bend 1010 4500K
3172173	Neonflex Side Bend 1010 5000K
3172174	Neonflex Side Bend 1010 6500K
3172151	Neonflex Side Bend 0816 2200K
3172152	Neonflex Side Bend 0816 2700K
3172153	Neonflex Side Bend 0816 3000K
3172154	Neonflex Side Bend 0816 3500K
3172155	Neonflex Side Bend 0816 4000K
3172156	Neonflex Side Bend 0816 4500K
3172157	Neonflex Side Bend 0816 5000K
3172158	Neonflex Side Bend 0816 6500K
3172199	Neonflex Side Bend 1121 2200K 12W
3172200	Neonflex Side Bend 1121 2700K 12W
3172201	Neonflex Side Bend 1121 3000K 12W
3172202	Neonflex Side Bend 1121 3500K 12W
3172203	Neonflex Side Bend 1121 4000K 12W
3172204	Neonflex Side Bend 1121 4500K 12W
3172205	Neonflex Side Bend 1121 5000K 12W
3172206	Neonflex Side Bend 1121 6500K 12W
3172207	Neonflex Side Bend 1121 2200K 15W
3172208	Neonflex Side Bend 1121 2700K 15W
3172209	Neonflex Side Bend 1121 3000K 15W
3172210	Neonflex Side Bend 1121 3500K 15W
3172211	Neonflex Side Bend 1121 4000K 15W
3172212	Neonflex Side Bend 1121 4500K 15W
3172213	Neonflex Side Bend 1121 5000K 15W
3172214	Neonflex Side Bend 1121 6500K 15W
3172175	Neonflex Side Bend 1616 2200K 10W
3172176	Neonflex Side Bend 1616 2700K 10W
3172177	Neonflex Side Bend 1616 3000K 10W
3172178	Neonflex Side Bend 1616 3500K 10W
3172179	Neonflex Side Bend 1616 4000K 10W
3172180	Neonflex Side Bend 1616 4500K 10W
3172181	Neonflex Side Bend 1616 5000K 10W
3172182	Neonflex Side Bend 1616 6500K 10W
3172215	Neonflex Side Bend 1128 2200K 12W
3172216	Neonflex Side Bend 1128 2700K 12W
3172217	Neonflex Side Bend 1128 3000K 12W
3172218	Neonflex Side Bend 1128 3500K 12W
3172219	Neonflex Side Bend 1128 4000K 12W
3172220	Neonflex Side Bend 1128 4500K 12W
3172221	Neonflex Side Bend 1128 5000K 12W
3172222	Neonflex Side Bend 1128 6500K 12W
3172223	Neonflex Side Bend 1128 2200K 15W
3172224	Neonflex Side Bend 1128 2700K 15W
3172225	Neonflex Side Bend 1128 3000K 15W
3172226	Neonflex Side Bend 1128 3500K 15W
3172227	Neonflex Side Bend 1128 4000K 15W
3172228	Neonflex Side Bend 1128 4500K 15W
3172229	Neonflex Side Bend 1128 5000K 15W
3172230	Neonflex Side Bend 1128 6500K 15W
3172183	Neonflex Side Bend 2222 2200K 10W
3172184	Neonflex Side Bend 2222 2700K 10W
3172185	Neonflex Side Bend 2222 3000K 10W
3172186	Neonflex Side Bend 2222 3500K 10W
3172187	Neonflex Side Bend 2222 4000K 10W
3172188	Neonflex Side Bend 2222 4500K 10W
3172189	Neonflex Side Bend 2222 5000K 10W
3172190	Neonflex Side Bend 2222 6500K 10W
3172263	Neonflex Side Bend 2222 2200K 15W
3172264	Neonflex Side Bend 2222 2700K 15W
3172265	Neonflex Side Bend 2222 3000K 15W
3172266	Neonflex Side Bend 2222 3500K 15W
3172267	Neonflex Side Bend 2222 4000K 15W
3172268	Neonflex Side Bend 2222 4500K 15W
3172269	Neonflex Side Bend 2222 5000K 15W
3172270	Neonflex Side Bend 2222 6500K 15W

Accessories

Straight Profiles

Reference	Description
3167902	Neonflex 1010 Straight Profile 1000
3167924	Neonflex 1010 Straight Profile 2000
3167932	Neonflex 1010 Clip Profile
3167961	Neonflex 1010 Straight Profile Transparent
3167901	Neonflex 0816 Straight Profile 1000
3167928	Neonflex 0816 Straight Profile 2000
3167936	Neonflex 0816 Clip Profile
3167905	Neonflex 1121/1128 Straight Profile 1000
3167929	Neonflex 1121/1128 Straight Profile 2000
3167939	Neonflex 1121/1128 Clip Profile
3167964	Neonflex 1121/1128 Straight Profile Cable Duct 1000
3167965	Neonflex 1121/1128 Straight Profile Cable Duct 2000
3167966	Neonflex 1121/1128 Straight Profile Transparent
3167904	Neonflex 1616 Straight Profile 1000
3167926	Neonflex 1616 Straight Profile 2000
3167934	Neonflex 1616 Clip Profile
3167967	Neonflex 1616 Straight Profile Cable Duct 1000
3167968	Neonflex 1616 Straight Profile Cable Duct 2000
3167909	Neonflex 1616 Straight Profile Recessed 1000
3167913	Neonflex 1616 Straight Profile Recessed 2000
3167960	Neonflex 1616 Recessed Profile End Cap 2pcs
3167969	Neonflex 1616/1717 Straight Profile Transparent
3167970	Neonflex 2222 Straight Profile 1000
3167971	Neonflex 2222 Straight Profile 2000
3167972	Neonflex 2222 Clip Profile
3167973	Neonflex 2222 Straight Profile Cable Duct 1000
3167974	Neonflex 2222 Straight Profile Cable Duct 2000

Product References (continued)

Curved Profiles

Reference	Description
3167915	Neonflex Side Bend 1010 Curved Profile 1000
3167944	Neonflex Side Bend 1010 Curved Profile 2000
3167914	Neonflex Side Bend 0816 Curved Profile 1000
3167945	Neonflex Side Bend 0816 Curved Profile 2000
3167919	Neonflex Side Bend 1121/1128 Curved Profile 1000
3167946	Neonflex Side Bend 1121/1128 Curved Profile 2000
3167917	Neonflex Side Bend 1616 Curved Profile 1000
3167931	Neonflex Side Bend 1616 Curved Profile 2000
3167955	Neonflex Side Bend 1616 Curved Profile Cable Duct 1000
3167956	Neonflex Side Bend 1616 Curved Profile Cable Duct 2000
3167957	Neonflex Side Bend 2222 Curved Profile 1000
3167980	Neonflex Side Bend 2222 Curved Profile 2000

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