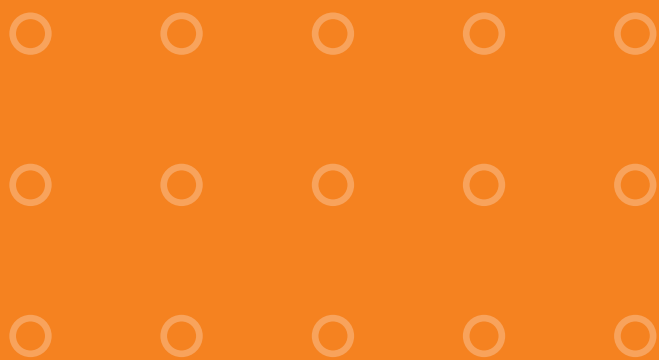


Bend Radius

No sharp corners

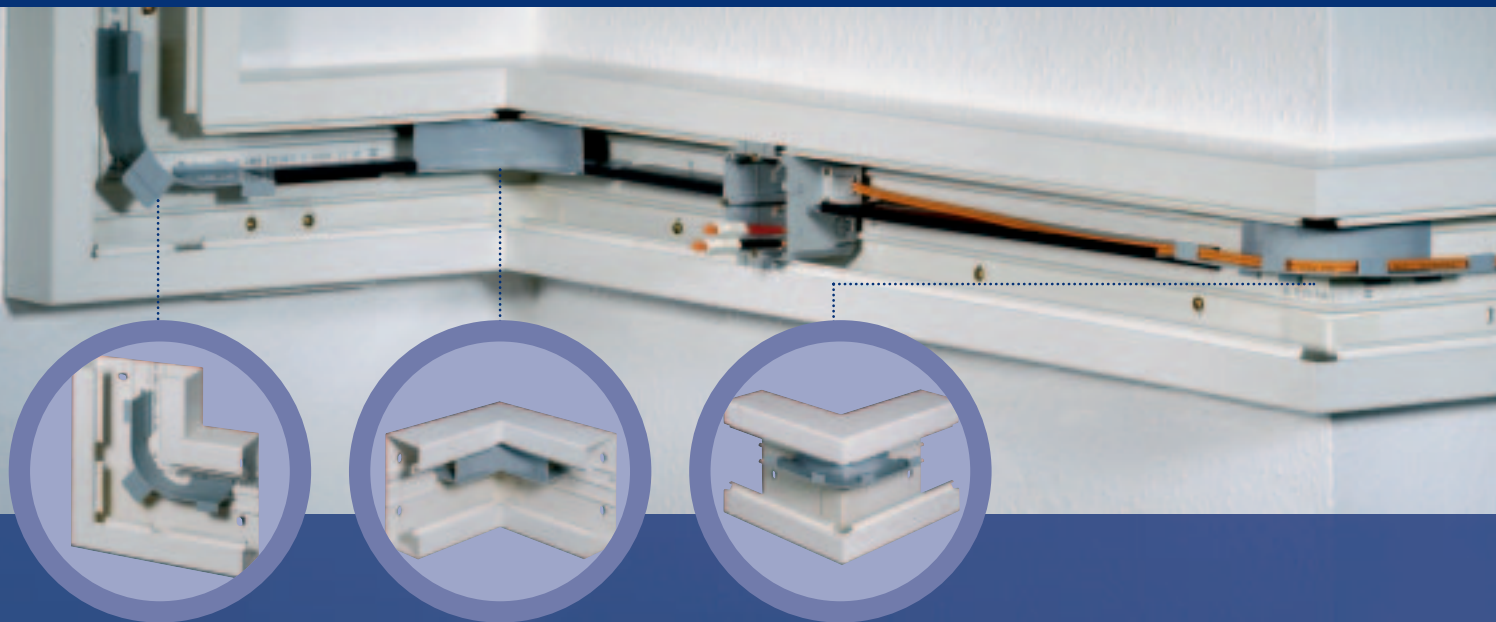
The standards-compliant bend radius for fibre-optic conductors

LFS Cable routing systems



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With OBO you get the right bend



Bend Radius is used to lay fibre-optic conductors in dado trunking in compliance with standards. It ensures exact compliance with the predefined bend radii for fibre

optics. Bend Radius is available in variants for vertical angles, inner and outer corners. It need only be snapped in, like the partition, on the base of GEK dado trunking. Bend

Radius is applicable in any GEK dado trunking and WDK ducts from PVC up from a duct depth of 60 mm.

The following recommendation is given in the standard EN 50173:

$$R_{\text{bend}} = 10 \times d_{\text{cable}}$$

R_{bend} = bend radius of cable
 d_{cable} = cable diameter

Some manufacturers publish their own data for bend radii, which you will find in the respective technical data sheets of the products.

Bend radii of fibre optics

Manufacturer	External conductor diameter in mm	Smallest bend radius in mm
Alcatel	3.5-12	20-95
ANT	3.5-12	150
Dätwyler	3.0-7.9	30-120
Kabelreydt	3.4-11.6	20-175
Belden	2.9-13	75-130

Order data

Variant	Type	Colour	Pack/no. of pieces	Weight kg/%	Material	Order no.
Inner corner	TW/BR-I	grey	5	4.120	PVC	6023 08 1
Outer corner	TW/BR-A	grey	5	4.600	PVC	6023 08 5
Vertical angle	TW/BR-F	grey	5	3.920	PVC	6023 08 9



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