



BUNDLES AND HARNESSES SPECIFICATION

Glass fibre optics diameters vary between 50 to 70 microns, and are collected in bundles in order to provide a range of different optical diameters, which are protected by megolon or self-extinguishing PVC jackets.

MAX TAILS NUMBER PER BUNDLE

Each bundle can be composed by 400 sizes: Size 1 (400 tails), Size 3 (133 tails), Size 9 (44 tails), Size 18 (22 code), Size 24 (16 tails). Therefore it is possible to use 100 tails of Size 3 and 5 tails of Size 18 = 390 size. Various combinations of tails can be calculated to provide a maximum size of 400.

Examples Bundle made of Nr. 53 tails Size 3 and Nr. 10 tails Size 24 Possible [(53 tails x Size 3 = 159 Size) + (10 tails x Size 24 = 240 Size)] = 159 size + 240 size = 399 size < 400 size

Fibre code	Optic Ø	Sheath Ø	Minimum bend radius	Ferrules		Ferrule dimensions			
				Code	Description	A	B	A'	B'
SIZE 1	1,3mm	2,2mm	8mm	LPV/1	Flat polished rivet	3,0mm	13mm	-	-
				LGV/1	Teardrop finish rivet	3,0mm	13mm	-	-
SIZE 8	3,0mm	4,85mm	20mm	LPV/4	Flat polished rivet	5,5mm	13mm	-	-
				LGV/4	Teardrop finish rivet	5,5mm	13mm	-	-
SIZE 9	3,3mm	4,85mm	20mm	LPV/7	Flat polished rivet	5,5mm	13mm	-	-
				LGV/7	Teardrop finish rivet	5,5mm	13mm	-	-
SIZE 14	4,0mm	6,35mm	25mm	LPV/12	Flat polished rivet	7,5mm	18mm	-	-
				LGV/12	Teardrop finish rivet	7,5mm	18mm	-	-
				TPV/12	Flat polished brass ferrule	7,9mm	17mm	12mm	15mm
SIZE 24	6,0mm	8,7mm	50mm	TPV/24	Flat polished brass ferrule	7,9mm	17mm	12mm	15mm

Fibre code	Optic Ø	Sheath Ø	Minimum bend radius
LKS 3/4 (SIZE 3/4)	1,0mm	2,2mm	5mm
LKS 1,3 (SIZE 1)	1,3mm	2,2mm	8mm
LKS 3 (SIZE 3)	2,0mm	3,85mm	15mm
LKS 8 (SIZE 8)	3,0mm	4,85mm	20mm
LKS 9 (SIZE 9)	3,3mm	4,85mm	20mm
LKS 14 (SIZE 14)	4,0mm	6,35mm	25mm
LKS 18 (SIZE 18)	4,5mm	7,4mm	40mm
LKS 24 (SIZE 24)	6,0mm	8,7mm	50mm

