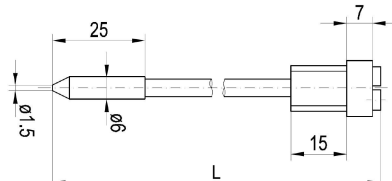
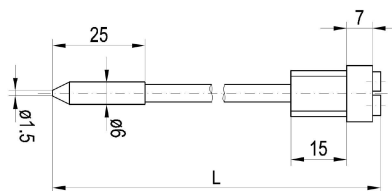


FIBER-OPTIC CABLES - REFLEX SCANNER

Axial Tip - Type 1 and Type 2

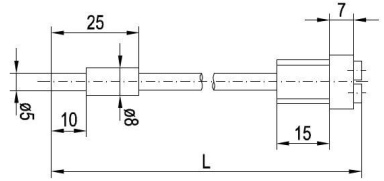
used with FMS 18 and FMS 30 Photoelectric Sensors

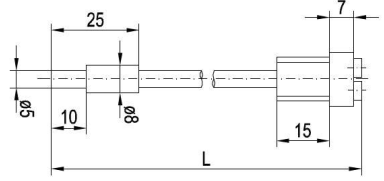
18/30 R 1/...-Si fiber-optic cable	Type 1		
		Cable Length (mm)	Part number
		250	18/30 R 1/250-Si
		500	18/30 R 1/500-Si
		1000	18/30 R 1/1000-Si
		1500	18/30 R 1/1500-Si
		2000	18/30 R 1/2000-Si

18/30 R 1/...-MSC fiber-optic cable	Type 1		
		Cable Length (mm)	Part number
		250	18/30 R 1/250-MSC
		500	18/30 R 1/500-MSC
		1000	18/30 R 1/1000-MSC
		1500	18/30 R 1/1500-MSC
		2000	18/30 R 1/2000-MSC

Technical Data

Scanning Range FMS 18:	5 mm	Ambient Operating Temperature:	-20 ... 250°C
Scanning Range FMS 30:	15 mm	Bend Radius:	15 mm
Core Glass Ø:	1 x 0.7 mm	Collar Bushing Ø:	6 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB6
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

18/30 R 2/...-Si fiber-optic cable	Type 2		
		Cable Length (mm)	Part number
		250	18/30 R 2/250-Si
		500	18/30 R 2/500-Si
		1000	18/30 R 2/1000-Si
		1500	18/30 R 2/1500-Si
		2000	18/30 R 2/2000-Si

18/30 R 2/...-MSC fiber-optic cable	Type 2		
		Cable Length (mm)	Part number
		250	18/30 R 2/250-MSC
		500	18/30 R 2/500-MSC
		1000	18/30 R 2/1000-MSC
		1500	18/30 R 2/1500-MSC
		2000	18/30 R 2/2000-MSC

Technical Data

Scanning Range FMS 18:	25 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	50 mm	Bend Radius:	15 mm
Core Glass Ø:	1 x 1.6 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

Design and technical details subject to change

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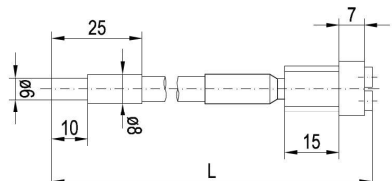
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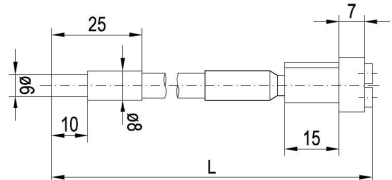
FIBER-OPTIC CABLES - REFLEX SCANNER



Axial Tip - Type 3

used with FMS 18 and FMS 30 Photoelectric Sensors

18/30 R 3/...-Si fiber-optic cable	Type 3		
		Cable Length (mm)	Part number
		250	18/30 R 3/250-Si
		500	18/30 R 3/500-Si
		1000	18/30 R 3/1000-Si
		1500	18/30 R 3/1500-Si
		2000	18/30 R 3/2000-Si

18/30 R 3/...-MSC fiber-optic cable	Type 3		
		Cable Length (mm)	Part number
		250	18/30 R 3/250-MSC
		500	18/30 R 3/500-MSC
		1000	18/30 R 3/1000-MSC
		1500	18/30 R 3/1500-MSC
		2000	18/30 R 3/2000-MSC

Technical Data

Scanning Range FMS 18:	80 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	200 mm	Bend Radius:	25 mm
Core Glass Ø:	1 x 2.8 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

Design and technical details subject to change

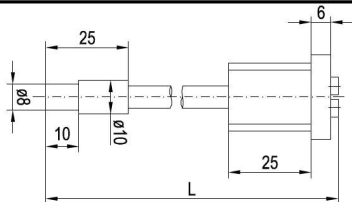
Locon Sensor Systems, Inc.

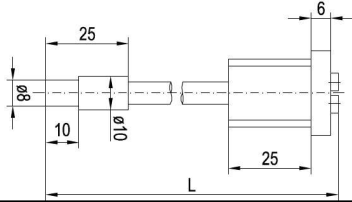
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FIBER-OPTIC CABLES - REFLEX SCANNER



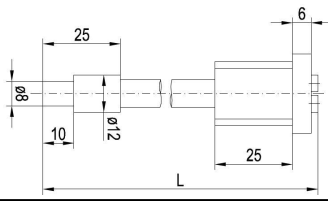
Axial Tip - Type 4 and Type 12
used with FMS 30 Photoelectric Sensors

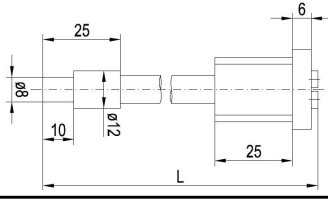
30 R 4/...-Si fiber-optic cable	Type 4		Cable Length (mm)	Part number
			250	30 R 4/250-Si
			500	30 R 4/500-Si
			1000	30 R 4/1000-Si
			1500	30 R 4/1500-Si
			2000	30 R 4/2000-Si

30 R 4/...-MSC fiber-optic cable	Type 4		Cable Length (mm)	Part number
			250	30 R 4/250-MSC
			500	30 R 4/500-MSC
			1000	30 R 4/1000-MSC
			1500	30 R 4/1500-MSC
			2000	30 R 4/2000-MSC

Technical Data

Scanning Range FMS 30:	400 mm	Ambient Operating Temperature:	-20 ... +250°C
Core Glass Ø:	1 x 3.3 mm	Bend Radius:	MSC=20mm, Si=25mm
Cover Material:	Silicone (Si)	Collar Bushing Ø:	10 mm
Cover Material:	Brass, chrome-plated (MSC)	Fixing Clamp:	MB10
		IP rating:	MSC=50, Si=65

30 R 12/...-Si fiber-optic cable	Type 12		Cable Length (mm)	Part number
			250	18/30 R 2/250-Si
			500	18/30 R 2/500-Si
			1000	18/30 R 2/1000-Si
			1500	18/30 R 2/1500-Si
			2000	18/30 R 2/2000-Si

30 R 12/...-MSC fiber-optic cable	Type 12		Cable Length (mm)	Part number
			250	18/30 R 2/250-MSC
			500	18/30 R 2/500-MSC
			1000	18/30 R 2/1000-MSC
			1500	18/30 R 2/1500-MSC
			2000	18/30 R 2/2000-MSC

Technical Data

Scanning Range FMS 30:	800 mm	Ambient Operating Temperature:	-20 ... +250°
Core Glass Ø:	1 x 5.0 mm	Bend Radius:	MSC=20mm, Si=45mm
Cover Material:	Silicone (Si)	Collar Bushing Ø:	12 mm
Cover Material:	Brass, chrome-plated (MSC)	Fixing Clamp:	MB10
		IP rating:	MSC=50, Si=65

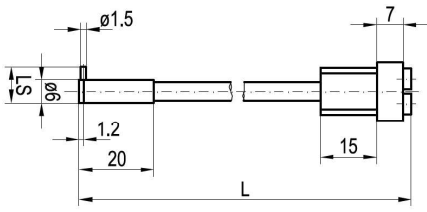
Design and technical details subject to change

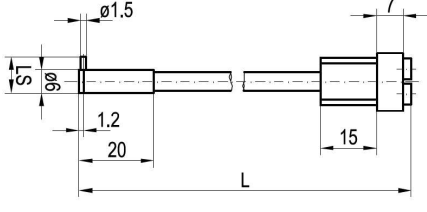
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FIBER-OPTIC CABLES - REFLEX SCANNER

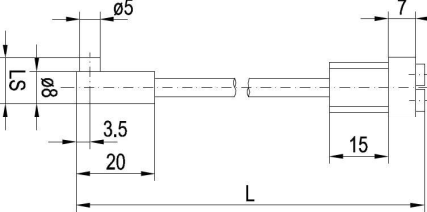
Radial Tip - Type 1 and Type 2
used with FMS 18 and FMS 30 Photoelectric Sensors

18/30 RZ 1/...-Si fiber-optic cable Type 1		All lengths are in mm		
 		LS Length	Cable Length	Part number
		10	250	18/30 RZ 1/250-Si Ls=10
		14	250	18/30 RZ 1/250-Si Ls=14
		10	500	18/30 RZ 1/500-Si Ls=10
		14	500	18/30 RZ 1/500-Si Ls=14
		10	1000	18/30 RZ 1/1000-Si Ls=10
		14	1000	18/30 RZ 1/1000-Si Ls=14
		10	1500	18/30 RZ 1/1500-Si Ls=10
		14	1500	18/30 RZ 1/1500-Si Ls=14
		10	2000	18/30 RZ 1/2000-Si Ls=10
		14	2000	18/30 RZ 1/2000-Si Ls=14

18/30 RZ 1/...-MSC fiber-optic cable Type 1		All lengths are in mm		
 		LS Length	Cable Length	Part number
		10	250	18/30 RZ 1/250-MSC Ls=10
		14	250	18/30 RZ 1/250-MSC Ls=14
		10	500	18/30 RZ 1/500-MSC Ls=10
		14	500	18/30 RZ 1/500-MSC Ls=14
		10	1000	18/30 RZ 1/1000-MSC Ls=10
		14	1000	18/30 RZ 1/1000-MSC Ls=14
		10	1500	18/30 RZ 1/1500-MSC Ls=10
		14	1500	18/30 RZ 1/1500-MSC Ls=14
		10	2000	18/30 RZ 1/2000-MSC Ls=10
		14	2000	18/30 RZ 1/2000-MSC Ls=14

Technical Data

Scanning Range FMS 18:	5 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	15 mm	Bend Radius:	15 mm
Core Glass Ø:	1 x 0.8 mm	Collar Bushing Ø:	6 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB6
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

18/30 RZ 2/...-Si fiber-optic cable Type 2		All lengths are in mm		
 		LS Length	Cable Length	Part number
		10	250	18/30 RZ 2/250-Si Ls=10
		14	250	18/30 RZ 2/250-Si Ls=14
		10	500	18/30 RZ 2/500-Si Ls=10
		14	500	18/30 RZ 2/500-Si Ls=14
		10	1000	18/30 RZ 2/1000-Si Ls=10
		14	1000	18/30 RZ 2/1000-Si Ls=14
		10	1500	18/30 RZ 2/1500-Si Ls=10
		14	1500	18/30 RZ 2/1500-Si Ls=14
		10	2000	18/30 RZ 2/2000-Si Ls=10
		14	2000	18/30 RZ 2/2000-Si Ls=14

Technical Data

Scanning Range FMS 18:	25 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	50 mm	Bend Radius:	15 mm
Core Glass Ø:	1 x 1.4 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

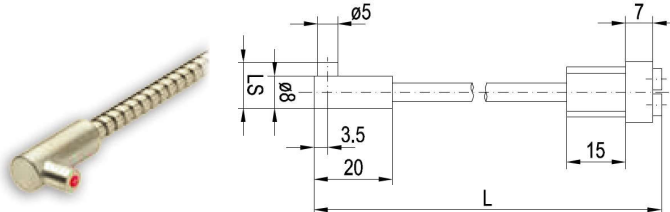
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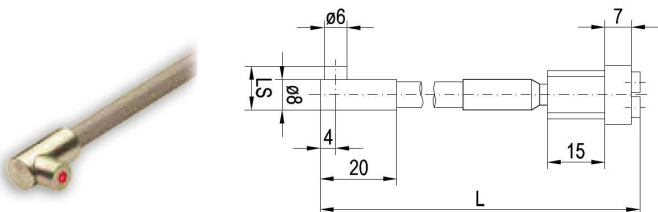
FIBER-OPTIC CABLES - REFLEX SCANNER

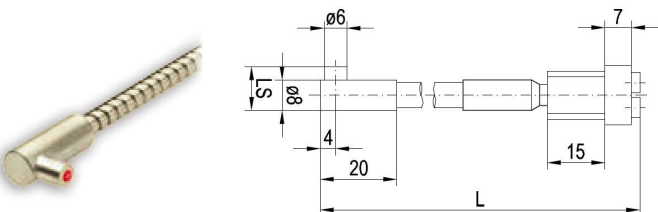
Radial Tip - Type 2 and Type 3
used with FMS 18 and FMS 30 Photoelectric Sensors

18/30 RZ 2/...-MSC fiber-optic cable Type 2		All lengths are in mm	
	LS Length	Cable Length	Part number
	10	250	18/30 RZ 2/250-MSC Ls=10
	14	250	18/30 RZ 2/250-MSC Ls=14
	10	500	18/30 RZ 2/500-MSC Ls=10
	14	500	18/30 RZ 2/500-MSC Ls=14
	10	1000	18/30 RZ 2/1000-MSC Ls=10
	14	1000	18/30 RZ 2/1000-MSC Ls=14
	10	1500	18/30 RZ 2/1500-MSC Ls=10
	14	1500	18/30 RZ 2/1500-MSC Ls=14
	10	2000	18/30 RZ 2/2000-MSC Ls=10
	14	2000	18/30 RZ 2/2000-MSC Ls=14

Technical Data

Scanning Range FMS 18:	25 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	50 mm	Bend Radius:	15 mm
Core Glass Ø:	1 x 1.4 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

18/30 RZ 3/...-Si fiber-optic cable Type 3		All lengths are in mm	
	LS Length	Cable Length	Part number
	10	250	18/30 RZ 3/250-Si Ls=10
	14	250	18/30 RZ 3/250-Si Ls=14
	10	500	18/30 RZ 3/500-Si Ls=10
	14	500	18/30 RZ 3/500-Si Ls=14
	10	1000	18/30 RZ 3/1000-Si Ls=10
	14	1000	18/30 RZ 3/1000-Si Ls=14
	10	1500	18/30 RZ 3/1500-Si Ls=10
	14	1500	18/30 RZ 3/1500-Si Ls=14
	10	2000	18/30 RZ 3/2000-Si Ls=10
	14	2000	18/30 RZ 3/2000-Si Ls=14

18/30 RZ 3/...-MSC fiber-optic cable Type 3		All lengths are in mm	
	LS Length	Cable Length	Part number
	10	250	18/30 RZ 3/250-MSC Ls=10
	14	250	18/30 RZ 3/250-MSC Ls=14
	10	500	18/30 RZ 3/500-MSC Ls=10
	14	500	18/30 RZ 3/500-MSC Ls=14
	10	1000	18/30 RZ 3/1000-MSC Ls=10
	14	1000	18/30 RZ 3/1000-MSC Ls=14
	10	1500	18/30 RZ 3/1500-MSC Ls=10
	14	1500	18/30 RZ 3/1500-MSC Ls=14
	10	2000	18/30 RZ 3/2000-MSC Ls=10
	14	2000	18/30 RZ 3/2000-MSC Ls=14

Technical Data

Scanning Range FMS 18:	80 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	200 mm	Bend Radius:	25 mm
Core Glass Ø:	1 x 2.8 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

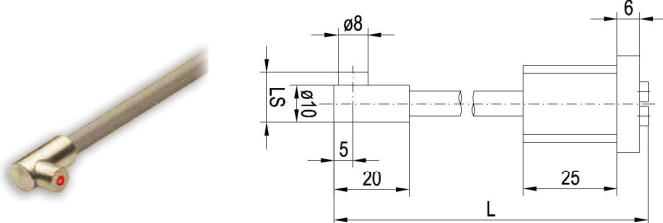
Design and technical details subject to change

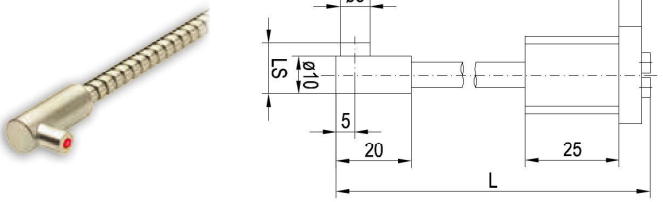
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FIBER-OPTIC CABLES - REFLEX SCANNER

Radial Tip - Type 4
used with FMS 30 Photoelectric Sensors

30 RZ 4/...-Si fiber-optic cable Type 4		All lengths are in mm		
		LS Length	Cable Length	Part number
		16	250	30 RZ 4/250-Si Ls=16
		20	250	30 RZ 4/250-Si Ls=20
		16	500	30 RZ 4/500-Si Ls=16
		20	500	30 RZ 4/500-Si Ls=20
		16	1000	30 RZ 4/1000-Si Ls=16
		20	1000	30 RZ 4/1000-Si Ls=20
		16	1500	30 RZ 4/1500-Si Ls=16
		20	1500	30 RZ 4/1500-Si Ls=20
		16	2000	30 RZ 4/2000-Si Ls=16
		20	2000	30 RZ 4/2000-Si Ls=20

30 RZ 4/...-MSC fiber-optic cable Type 4		All lengths are in mm		
		LS Length	Cable Length	Part number
		16	250	30 RZ 4/250-MSC Ls=16
		20	250	30 RZ 4/250-MSC Ls=20
		16	500	30 RZ 4/500-MSC Ls=16
		20	500	30 RZ 4/500-MSC Ls=20
		16	1000	30 RZ 4/1000-MSC Ls=16
		20	1000	30 RZ 4/1000-MSC Ls=20
		16	1500	30 RZ 4/1500-MSC Ls=16
		20	1500	30 RZ 4/1500-MSC Ls=20
		16	2000	30 RZ 4/2000-MSC Ls=16
		20	2000	30 RZ 4/2000-MSC Ls=20

Technical Data

Scanning Range FMS 18:	--	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	400 mm	Bend Radius:	MSC=20mm, Si=25mm
Core Glass Ø:	1 x 3.3 mm	Collar Bushing Ø:	10 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB10
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

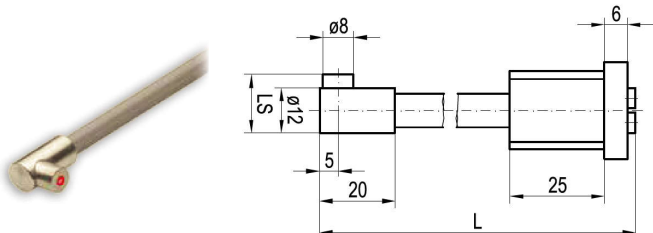
Design and technical details subject to change

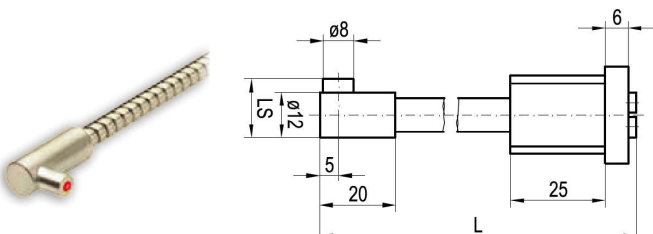
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FIBER-OPTIC CABLES - REFLEX SCANNER

Radial Tip - Type 12
used with FMS 30 Photoelectric Sensors

30 RZ 12/...-Si fiber-optic cable Type 12		All lengths are in mm		
		LS Length	Cable Length	Part number
		16	250	30 RZ 12/250-Si Ls=16
		20	250	30 RZ 12/250-Si Ls=20
		16	500	30 RZ 12/500-Si Ls=16
		20	500	30 RZ 12/500-Si Ls=20
		16	1000	30 RZ 12/1000-Si Ls=16
		20	1000	30 RZ 12/1000-Si Ls=20
		16	1500	30 RZ 12/1500-Si Ls=16
		20	1500	30 RZ 12/1500-Si Ls=20
		16	2000	30 RZ 12/2000-Si Ls=16
		20	2000	30 RZ 12/2000-Si Ls=20

30 RZ 12/...-MSC fiber-optic cable Type 12		All lengths are in mm		
		LS Length	Cable Length	Part number
		16	250	30 RZ 12/250-MSC Ls=16
		20	250	30 RZ 12/250-MSC Ls=20
		16	500	30 RZ 12/500-MSC Ls=16
		20	500	30 RZ 12/500-MSC Ls=20
		16	1000	30 RZ 12/1000-MSC Ls=16
		20	1000	30 RZ 12/1000-MSC Ls=20
		16	1500	30 RZ 12/1500-MSC Ls=16
		20	1500	30 RZ 12/1500-MSC Ls=20
		16	2000	30 RZ 12/2000-MSC Ls=16
		20	2000	30 RZ 12/2000-MSC Ls=20

Technical Data

Scanning Range FMS 18:	--	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	800 mm	Bend Radius:	MSC=20mm, Si=45mm
Core Glass Ø:	1 x 4.6 mm	Collar Bushing Ø:	12 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB10
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

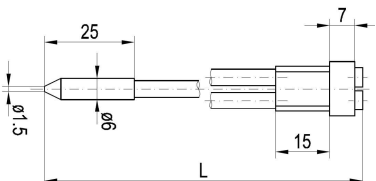
Design and technical details subject to change

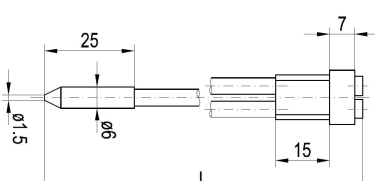
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FIBER-OPTIC CABLES - THROUGH BEAM

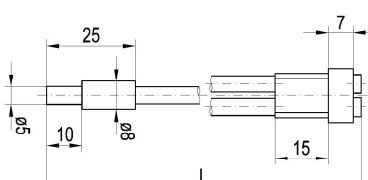
Axial Tip - Type 1 and Type 2
used with FMS 18 and FMS 30 Photoelectric Sensors

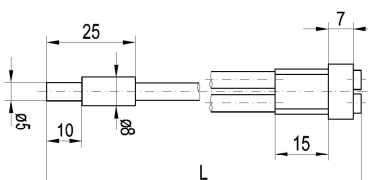
18/30 L 1/...-Si fiber-optic cable	Type 1		
		Cable Length (mm)	Part number
		250	18/30 L 1/250-Si
		500	18/30 L 1/500-Si
		1000	18/30 L 1/1000-Si
		1500	18/30 L 1/1500-Si
		2000	18/30 L 1/2000-Si

18/30 L 1/...-MSC fiber-optic cable	Type 1		
		Cable Length (mm)	Part number
		250	18/30 L 1/250-MSC
		500	18/30 L 1/500-MSC
		1000	18/30 L 1/1000-MSC
		1500	18/30 L 1/1500-MSC
		2000	18/30 L 1/2000-MSC

Technical Data

Scanning Range FMS 18:	80 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	200 mm	Bend Radius:	MSC=15mm, Si=14mm
Core Glass Ø:	1 x 0.7 mm	Collar Bushing Ø:	6 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB6
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

18/30 L 2/...-Si fiber-optic cable	Type 2		
		Cable Length (mm)	Part number
		250	18/30 L 2/250-Si
		500	18/30 L 2/500-Si
		1000	18/30 L 2/1000-Si
		1500	18/30 L 2/1500-Si
		2000	18/30 L 2/2000-Si

18/30 L 2/...-MSC fiber-optic cable	Type 2		
		Cable Length (mm)	Part number
		250	18/30 L 2/250-MSC
		500	18/30 L 2/500-MSC
		1000	18/30 L 2/1000-MSC
		1500	18/30 L 2/1500-MSC
		2000	18/30 L 2/2000-MSC

Technical Data

Scanning Range FMS 18:	400 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	800 mm	Bend Radius:	MSC=15mm, Si=20mm
Core Glass Ø:	1 x 1.6 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

Design and technical details subject to change

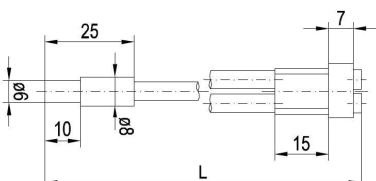
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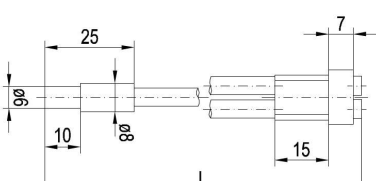
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FIBER-OPTIC CABLES - THROUGH BEAM

Axial Tip - Type 3

used with FMS 18 and FMS 30 Photoelectric Sensors

18/30 L 3/...-Si fiber-optic cable	Type 3		
		Cable Length (mm)	Part number
		250	18/30 L 3/250-Si
		500	18/30 L 3/500-Si
		1000	18/30 L 3/1000-Si
		1500	18/30 L 3/1500-Si
		2000	18/30 L 3/2000-Si

18/30 L 3/...-MSC fiber-optic cable	Type 3		
		Cable Length (mm)	Part number
		250	18/30 L 3/250-MSC
		500	18/30 L 3/500-MSC
		1000	18/30 L 3/1000-MSC
		1500	18/30 L 3/1500-MSC
		2000	18/30 L 3/2000-MSC

Technical Data

Scanning Range FMS 18:	750 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	1500 mm	Bend Radius:	20 mm
Core Glass Ø:	1 x 2.0 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

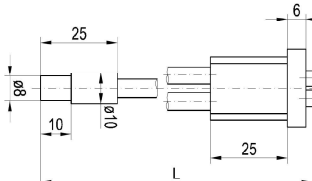
Design and technical details subject to change

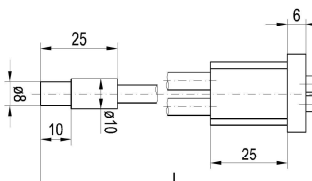
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FIBER-OPTIC CABLES - THROUGH BEAM

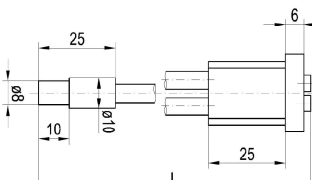
Axial Tip - Type 4 and Type 12
used with FMS 30 Photoelectric Sensors

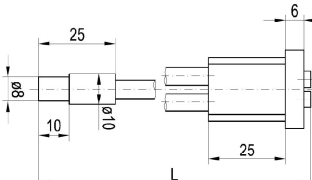
30 L 4/...-Si fiber-optic cable	Type 4	Cable Length (mm)	Part number
		250	30 L 4/250-Si
		500	30 L 4/500-Si
		1000	30 L 4/1000-Si
		1500	30 L 4/1500-Si
		2000	30 L 4/2000-Si

30 L 4/...-MSC fiber-optic cable	Type 4	Cable Length (mm)	Part number
		250	30 L 4/250-MSC
		500	30 L 4/500-MSC
		1000	30 L 4/1000-MSC
		1500	30 L 4/1500-MSC
		2000	30 L 4/2000-MSC

Technical Data

Scanning Range FMS 30:	3000 mm	Ambient Operating Temperature:	-20 ... +250°C
Core Glass Ø:	1 x 2.3 mm	Bend Radius:	MSC=20mm, Si=25mm
Cover Material:	Silicone (Si)	Collar Bushing Ø:	10 mm
Cover Material:	Brass, chrome-plated (MSC)	Fixing Clamp:	MB10
		IP rating:	MSC=50, Si=65

30 L 12/...-Si fiber-optic cable	Type 12	Cable Length (mm)	Part number
		250	30 L 12/250-Si
		500	30 L 12/500-Si
		1000	30 L 12/1000-Si
		1500	30 L 12/1500-Si
		2000	30 L 12/2000-Si

30 L 12/...-MSC fiber-optic cable	Type 12	Cable Length (mm)	Part number
		250	30 L 12/250-MSC
		500	30 L 12/500-MSC
		1000	30 L 12/1000-MSC
		1500	30 L 12/1500-MSC
		2000	30 L 12/2000-MSC

Technical Data

Scanning Range FMS 30:	4800 mm	Ambient Operating Temperature:	-20 ... +250°C
Core Glass Ø:	1 x 3.5 mm	Bend Radius:	MSC=20mm, Si=25mm
Cover Material:	Silicone (Si)	Collar Bushing Ø:	12 mm
Cover Material:	Brass, chrome-plated (MSC)	Fixing Clamp:	MB10
		IP rating:	MSC=50, Si=65

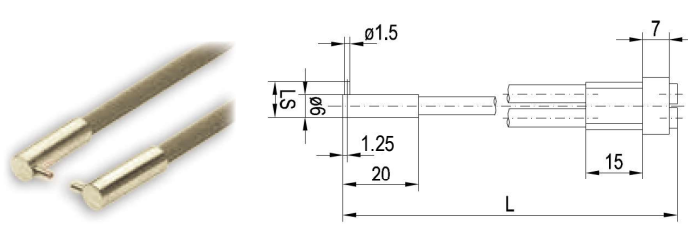
Design and technical details subject to change

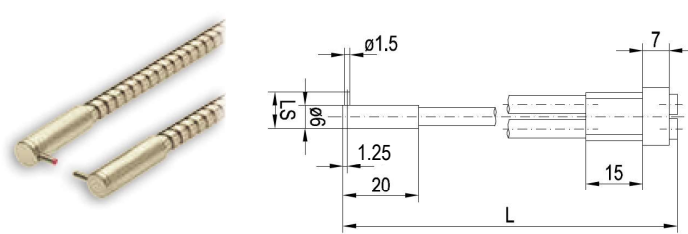
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FIBER-OPTIC CABLES - THROUGH BEAM

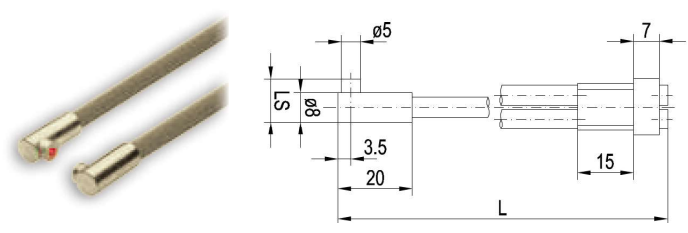
Radial Tip - Type 1 and Type 2
used with FMS 18 and FMS 30 Photoelectric Sensors

18/30 LZ 1/...-Si fiber-optic cable Type 1		All lengths are in mm		
		LS Length	Cable Length	Part number
		10	250	18/30 LZ 1/250-Si Ls=10
		14	250	18/30 LZ 1/250-Si Ls=14
		10	500	18/30 LZ 1/500-Si Ls=10
		14	500	18/30 LZ 1/500-Si Ls=14
		10	1000	18/30 LZ 1/1000-Si Ls=10
		14	1000	18/30 LZ 1/1000-Si Ls=14
		10	1500	18/30 LZ 1/1500-Si Ls=10
		14	1500	18/30 LZ 1/1500-Si Ls=14
		10	2000	18/30 LZ 1/2000-Si Ls=10
		14	2000	18/30 LZ 1/2000-Si Ls=14

18/30 LZ 1/...-MSC fiber-optic cable Type 1		All lengths are in mm		
		LS Length	Cable Length	Part number
		10	250	18/30 LZ 1/250-MSC Ls=10
		14	250	18/30 LZ 1/250-MSC Ls=14
		10	500	18/30 LZ 1/500-MSC Ls=10
		14	500	18/30 LZ 1/500-MSC Ls=14
		10	1000	18/30 LZ 1/1000-MSC Ls=10
		14	1000	18/30 LZ 1/1000-MSC Ls=14
		10	1500	18/30 LZ 1/1500-MSC Ls=10
		14	1500	18/30 LZ 1/1500-MSC Ls=14
		10	2000	18/30 LZ 1/2000-MSC Ls=10
		14	2000	18/30 LZ 1/2000-MSC Ls=14

Technical Data

Scanning Range FMS 18:	80 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	200 mm	Bend Radius:	15 mm
Core Glass Ø:	1 x 0.7 mm	Collar Bushing Ø:	6 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB6
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

18/30 LZ 2/...-Si fiber-optic cable Type 2		All lengths are in mm		
		LS Length	Cable Length	Part number
		10	250	18/30 LZ 2/250-Si Ls=10
		14	250	18/30 LZ 2/250-Si Ls=14
		10	500	18/30 LZ 2/500-Si Ls=10
		14	500	18/30 LZ 2/500-Si Ls=14
		10	1000	18/30 LZ 2/1000-Si Ls=10
		14	1000	18/30 LZ 2/1000-Si Ls=14
		10	1500	18/30 LZ 2/1500-Si Ls=10
		14	1500	18/30 LZ 2/1500-Si Ls=14
		10	2000	18/30 LZ 2/2000-Si Ls=10
		14	2000	18/30 LZ 2/2000-Si Ls=14

Technical Data

Scanning Range FMS 18:	400 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	800 mm	Bend Radius:	MSC=15mm, Si=20mm
Core Glass Ø:	1 x 1.6 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

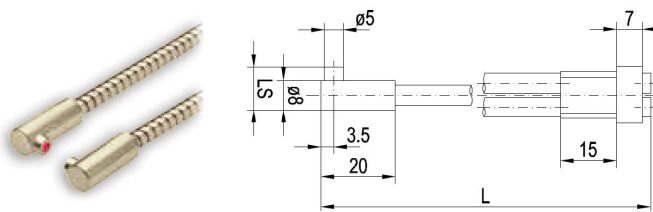
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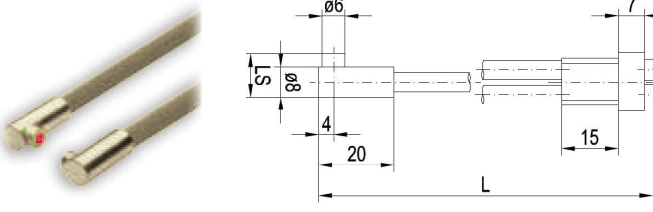
FIBER-OPTIC CABLES - THROUGH BEAM

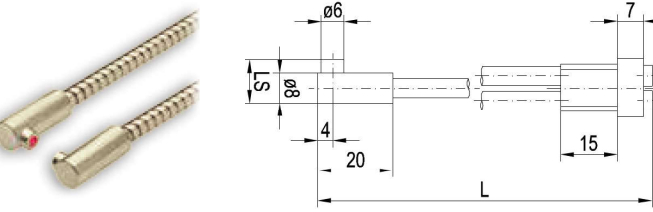
Radial Tip - Type 2 and Type 3
used with FMS 18 and FMS 30 Photoelectric Sensors

18/30 LZ 2/...-MSC fiber-optic cable Type 2		All lengths are in mm	
	LS Length	Cable Length	Part number
	10	250	18/30 LZ 2/250-MSC Ls=10
	14	250	18/30 LZ 2/250-MSC Ls=14
	10	500	18/30 LZ 2/500-MSC Ls=10
	14	500	18/30 LZ 2/500-MSC Ls=14
	10	1000	18/30 LZ 2/1000-MSC Ls=10
	14	1000	18/30 LZ 2/1000-MSC Ls=14
	10	1500	18/30 LZ 2/1500-MSC Ls=10
	14	1500	18/30 LZ 2/1500-MSC Ls=14
	10	2000	18/30 LZ 2/2000-MSC Ls=10
	14	2000	18/30 LZ 2/2000-MSC Ls=14

Technical Data

Scanning Range FMS 18:	400 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	800 mm	Bend Radius:	MSC=15mm, Si=20mm
Core Glass Ø:	1 x 1.6 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

18/30 LZ 3/...-Si fiber-optic cable Type 3		All lengths are in mm	
	LS Length	Cable Length	Part number
	10	250	18/30 LZ 3/250-Si Ls=10
	14	250	18/30 LZ 3/250-Si Ls=14
	10	500	18/30 LZ 3/500-Si Ls=10
	14	500	18/30 LZ 3/500-Si Ls=14
	10	1000	18/30 LZ 3/1000-Si Ls=10
	14	1000	18/30 LZ 3/1000-Si Ls=14
	10	1500	18/30 LZ 3/1500-Si Ls=10
	14	1500	18/30 LZ 3/1500-Si Ls=14
	10	2000	18/30 LZ 3/2000-Si Ls=10
	14	2000	18/30 LZ 3/2000-Si Ls=14

18/30 LZ 3/...-MSC fiber-optic cable Type 3		All lengths are in mm	
	LS Length	Cable Length	Part number
	10	250	18/30 LZ 3/250-MSC Ls=10
	14	250	18/30 LZ 3/250-MSC Ls=14
	10	500	18/30 LZ 3/500-MSC Ls=10
	14	500	18/30 LZ 3/500-MSC Ls=14
	10	1000	18/30 LZ 3/1000-MSC Ls=10
	14	1000	18/30 LZ 3/1000-MSC Ls=14
	10	1500	18/30 LZ 3/1500-MSC Ls=10
	14	1500	18/30 LZ 3/1500-MSC Ls=14
	10	2000	18/30 LZ 3/2000-MSC Ls=10
	14	2000	18/30 LZ 3/2000-MSC Ls=14

Technical Data

Scanning Range FMS 18:	750 mm	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	1500 mm	Bend Radius:	20 mm
Core Glass Ø:	1 x 2.0 mm	Collar Bushing Ø:	8 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB8
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

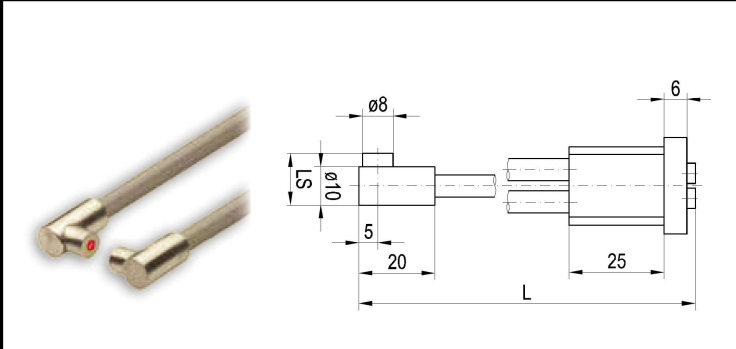
Design and technical details subject to change

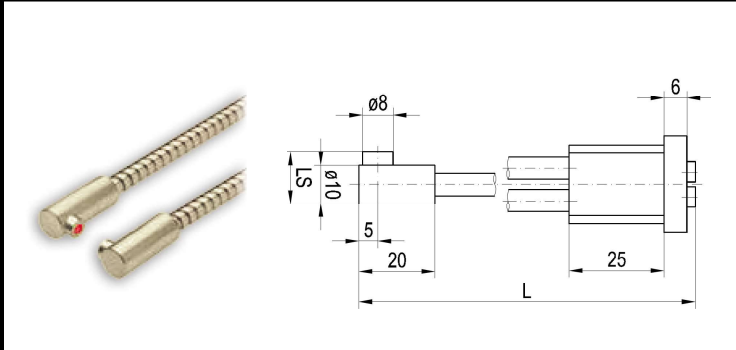
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FIBER-OPTIC CABLES - THROUGH BEAM

Radial Tip - Type 4
used with FMS 30 Photoelectric Sensors

30 LZ 4/...-Si fiber-optic cable Type 4		All lengths are in mm		
		LS Length	Cable Length	Part number
		16	250	30 LZ 4/250-Si Ls=16
		20	250	30 LZ 4/250-Si Ls=20
		16	500	30 LZ 4/500-Si Ls=16
		20	500	30 LZ 4/500-Si Ls=20
		16	1000	30 LZ 4/1000-Si Ls=16
		20	1000	30 LZ 4/1000-Si Ls=20
		16	1500	30 LZ 4/1500-Si Ls=16
		20	1500	30 LZ 4/1500-Si Ls=20
		16	2000	30 LZ 4/2000-Si Ls=16
		20	2000	30 LZ 4/2000-Si Ls=20

30 LZ 4/...-MSC fiber-optic cable Type 4		All lengths are in mm		
		LS Length	Cable Length	Part number
		16	250	30 LZ 4/250-MSC Ls=16
		20	250	30 LZ 4/250-MSC Ls=20
		16	500	30 LZ 4/500-MSC Ls=16
		20	500	30 LZ 4/500-MSC Ls=20
		16	1000	30 LZ 4/1000-MSC Ls=16
		20	1000	30 LZ 4/1000-MSC Ls=20
		16	1500	30 LZ 4/1500-MSC Ls=16
		20	1500	30 LZ 4/1500-MSC Ls=20
		16	2000	30 LZ 4/2000-MSC Ls=16
		20	2000	30 LZ 4/2000-MSC Ls=20

Technical Data

Scanning Range FMS 18:	--	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	3000 mm	Bend Radius:	MSC=20mm, Si=25mm
Core Glass Ø:	1 x 2.3 mm	Collar Bushing Ø:	10 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB10
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

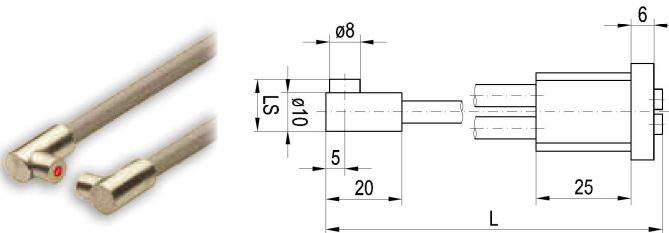
Design and technical details subject to change

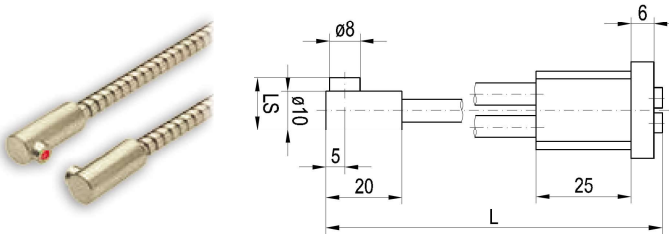
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FIBER-OPTIC CABLES - THROUGH BEAM

Radial Tip - Type 12
used with FMS 30 Photoelectric Sensors

30 LZ 12/...-Si fiber-optic cable Type 12		All lengths are in mm		
		LS Length	Cable Length	Part number
		16	250	30 LZ 12/250-Si Ls=16
		20	250	30 LZ 12/250-Si Ls=20
		16	500	30 LZ 12/500-Si Ls=16
		20	500	30 LZ 12/500-Si Ls=20
		16	1000	30 LZ 12/1000-Si Ls=16
		20	1000	30 LZ 12/1000-Si Ls=20
		16	1500	30 LZ 12/1500-Si Ls=16
		20	1500	30 LZ 12/1500-Si Ls=20
		16	2000	30 LZ 12/2000-Si Ls=16
		20	2000	30 LZ 12/2000-Si Ls=20

30 LZ 12/...-MSC fiber-optic cable Type 12		All lengths are in mm		
		LS Length	Cable Length	Part number
		16	250	30 LZ 12/250-MSC Ls=16
		20	250	30 LZ 12/250-MSC Ls=20
		16	500	30 LZ 12/500-MSC Ls=16
		20	500	30 LZ 12/500-MSC Ls=20
		16	1000	30 LZ 12/1000-MSC Ls=16
		20	1000	30 LZ 12/1000-MSC Ls=20
		16	1500	30 LZ 12/1500-MSC Ls=16
		20	1500	30 LZ 12/1500-MSC Ls=20
		16	2000	30 LZ 12/2000-MSC Ls=16
		20	2000	30 LZ 12/2000-MSC Ls=20

Technical Data

Scanning Range FMS 18:	--	Ambient Operating Temperature:	-20 ... +250°C
Scanning Range FMS 30:	4800 mm	Bend Radius:	MSC=20mm, Si=25mm
Core Glass Ø:	1 x 3.5 mm	Collar Bushing Ø:	10 mm
Cover Material:	Silicone (Si)	Fixing Clamp:	MB10
Cover Material:	Brass, chrome-plated (MSC)	IP rating:	MSC=50, Si=65

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