

The background of the page is a photograph of industrial X-ray components. On the left is a large, polished metal flange with a red "COMET" logo. In the center is a smaller metal flange with a white label that reads "Cable Flange 651136". On the right is a black cable with a metal connector. At the bottom is another black cable with a metal connector.

Cable Flange
651136

Industrial X-Ray

Cables, Flanges, Quick Locks
Overview

Cable Types and Flanges

Technical Data, Configurations, Combinations

Technical Data Cables

	U3/100	N3/160	P3/250
Rated voltage	100 kVDC	160 kVDC	250 kVDC
Nominal outside diameter	20mm	29mm	36mm
Coverage shielding braid	>95%	>95%	>80%
Conductor resistance Bare Conductor @ 20°C	6.6 mΩ/m	6.6 mΩ/m	6.6 mΩ/m
Conductor resistance Red & White Cond. @ 20°C	9.5 mΩ/m	11.4 mΩ/m	11.4 mΩ/m
Minimum bending radius (dynamic)	80 mm	120 mm	148 mm
Insulation resistance (wires to shield)	$\geq 5 \times 10^{12} \Omega \cdot m$	$\geq 1 \times 10^{12} \Omega \cdot m$	$\geq 1 \times 10^{12} \Omega \cdot m$
Capacitance (wires to shield)	136 pF/m	126 pF/m	107 pF/m
Max. operating temperature	+70°C	+70°C	+70°C

Configurations with COMET Tubes

Cable	MXR-101	CXR-10X	CXR-150	MXR-160	MXR-225	MXR-320	MXR-350	MXR-420	MXR-45X	Power Supply
U3/100	R10	R10								
N3/160			R24	R24		R24				
P3/250					R24		R24	R24	R28	R24 R30

Cable flange Ordering No.

651142	■									
100001700		■								
100001710								■		
100001711			■			■	■	■		
100001756				■	■					
651136									■	
651138										■

Locking device Ordering No.

941002			■	■						
940303		■				■	■	■		
651053		■	■	■	■	■	■	■		

Combinations

	R10	R24	R24 RA	R28	R28 RA	R30	R30 RA
U3/100 cable	100 kV	100 kV	100 kV	—	—	—	—
N3/160 cable	—	160 kV	160 kV	160 kV	160 kV	160 kV	160 kV
P3/250 cable	—	225 kV	225 kV	225 kV	225 kV	225 kV	225 kV

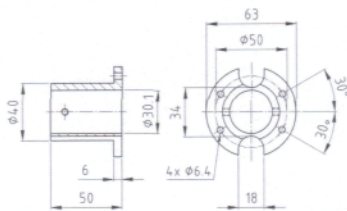
Within the high voltage system the part with the lowest specified high voltage rating defines the maximum allowed voltage.

Special cables, terminals and flanges are available on request. Please contact us. xray@comet.ch

Flanges

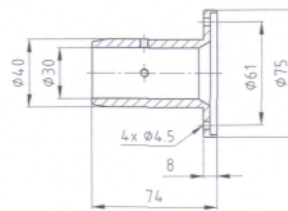
R10 cable flange

651142



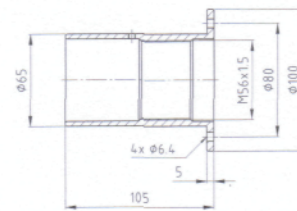
R10 cable flange

10001700



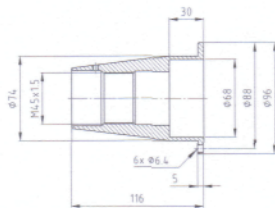
R28 cable flange

10001710



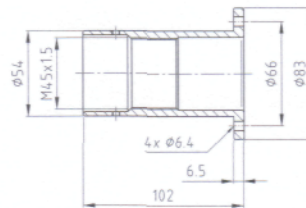
R24 cable flange

10001711



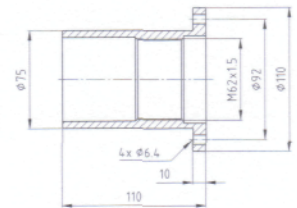
R24 cable flange

651136



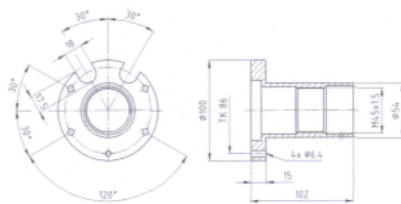
R30 cable flange

651138



R24 cable flange

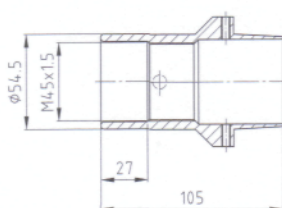
10001756



Locking Devices

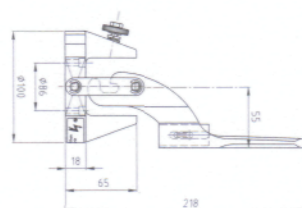
R24 clamping sleeve

651053



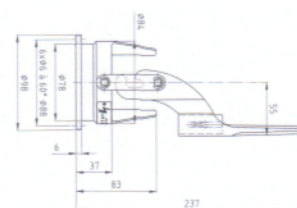
R24 locking device

941002



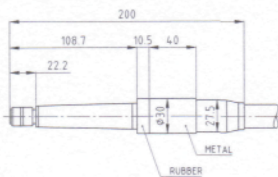
R24 locking device

940303

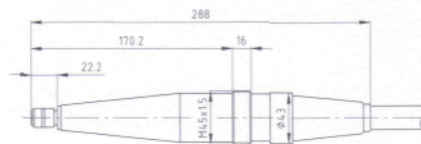


Plugs

R10 with U3 cable



R24 with U3 cable



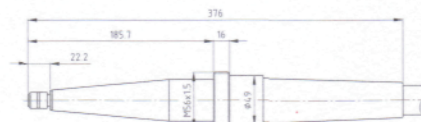
R24 with N3 cable



R24 with P3 cable



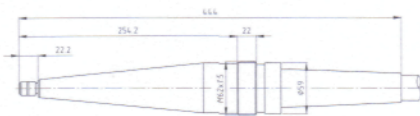
R28 with N3 cable



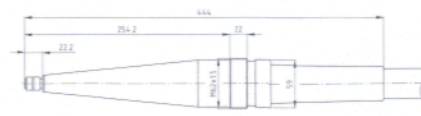
R28 with P3 cable



R30 with N3 cable



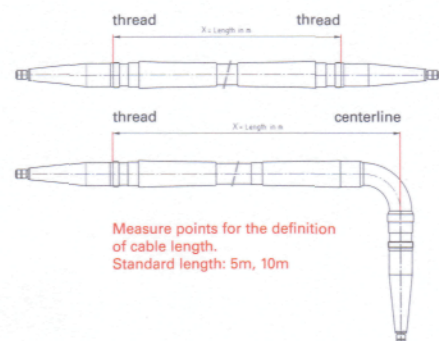
R30 with P3 cable



Ordering Example

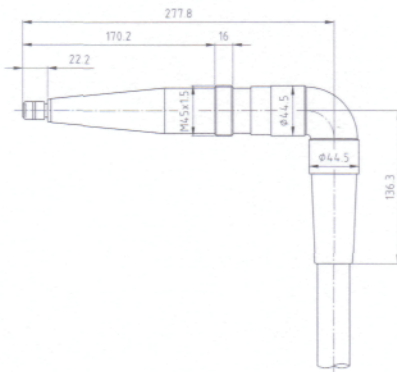
	cable	-	plug	-	plug	-	length
Cable	N3/160	-	R24	-	R24 RA	-	5m
Flange	10001756						

Example: 160 kV cable with straight and rectangular connector, length 5m with a flange for MXR-160.

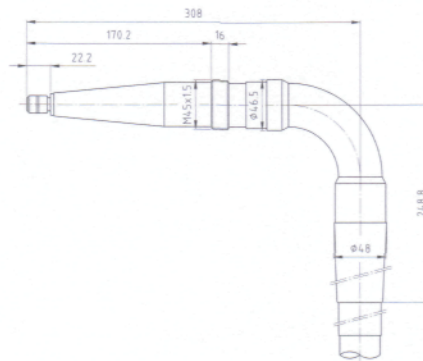


Measure points for the definition of cable length.
Standard length: 5m, 10m

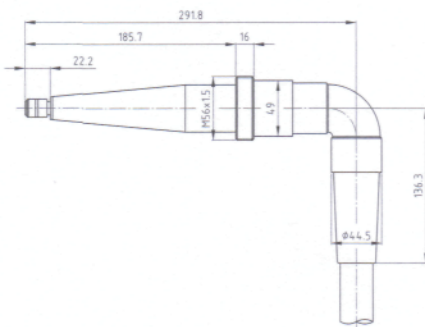
R24 RA with N3 cable



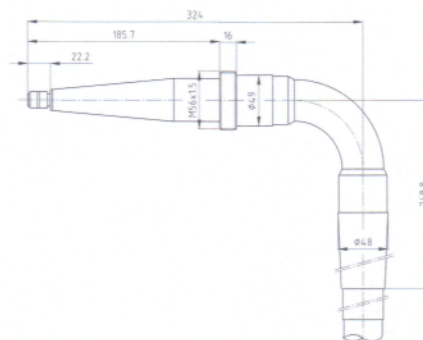
R24 RA with P3 cable



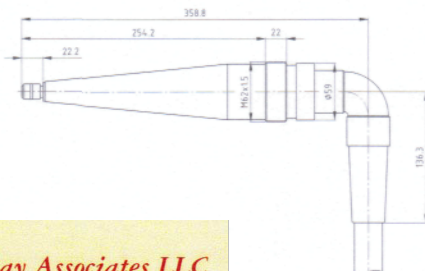
R28 RA with N3 cable



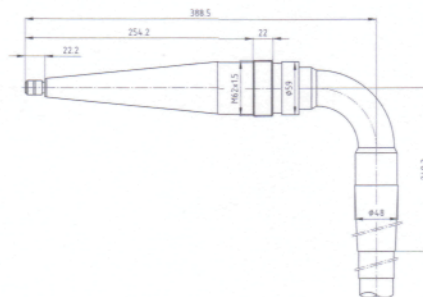
R28 RA with P3 cable



R30 RA with N3 cable



R30 RA with P3 cable



482 West Arrow Highway Unit L
San Dimas, California 91773-2905

office: (714) 983-2551
cell: (909) 282-0317
fax: (909) 599-9160



matt@xrayllc.com
www.xrayllc.com

Matt Tory
Vice President of Sales



482 West Arrow Highway Unit L
San Dimas, California 91773-2905

phone: (909) 599-9150
fax: (909) 599-9160
cell: (562) 458-8943

al@xrayllc.com
www.xrayllc.com

Al Valencia
Application Engineer