

3K Series HDTV SMPTE Fibre Optic Cables, Accessories and Tools



Cables

Hybrid Camera cable acc. Standard SMPTE 311M

for Studio area, non-halogen and hardly inflammable
acc. to DIN IEC60332-1

Heavy Duty Breakout cable (standard version)

Part-no.: 2SM.9.2.44.9

(adapted for connector 3K.93C)

also as

FRNC Studio Cable **new**

Free of halogen, hardly inflammable acc. DIN IEC60332-1

Part-no.: 2SM.9.2.44.9.FRNC

(adapted for connector 3K.93C)

2x Single mode fiber 9/125 μ m¹⁾
+4 x Power Wires AWG 20
+ 2 x Control Wires AWG 24
+ Tension Member: Steel wire

Hybrid Camera cable acc. Standard SMPTE 311M in High-FLEX version with kevlar tension members **new**

Smallest bending radius: 50mm

Part-no.: 2SM.9.2.44.9.FLEX

(adapted for connector 3K.93C)

2x Single mode fiber 9/125 μ m¹⁾
+4 x Power Wires AWG 20
+ 2 x Control Wires AWG 24
+ Tension Member: Kevlar

Note:

Other Colours of Outer Sheat on request.

Hybrid Kamera Kabel nach Norm SMPTE 311M

für den Studio-Bereich, halogenfrei und schwer entflammbar
nach DIN IEC60332-1

Heavy Duty Breakoutkabel (Standard Version)

Best.-Nr.: 2SM.9.2.44.9

(passend zur Steckverbindung 3K.93C)

auch als

FRNC Studiokabel **neu**

Halogenfrei, schwer entflammbar nach DIN IEC60332-1

Best.-Nr.: 2SM.9.2.44.9.FRNC

(passend zur Steckverbindung 3K.93C)

2x Single mode fiber 9/125 μ m¹⁾
+4 x Power-Leitung AWG 20
+ 2 x Steuerleitung AWG 24
+ Zugentlastung: Stahldrähte

Hybrid Kamera Kabel nach Norm SMPTE 311M In High-FLEX Version mit Kevlar Zugentlastung **neu**

Kleinster Biegeradius: 50mm

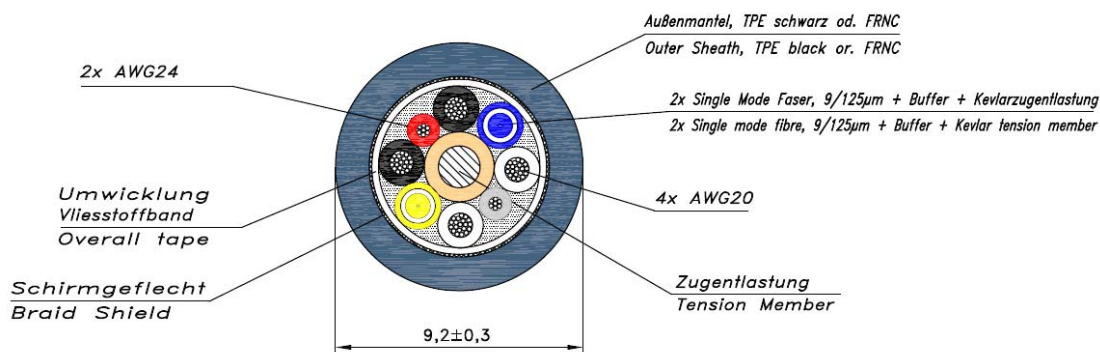
Best.-Nr.: 2SM.9.2.44.9.FLEX

(passend zur Steckverbindung 3K.93C)

2x Single mode fiber 9/125 μ m¹⁾
+4 x Power-Leitung AWG 20
+ 2 x Steuerleitung AWG 24
+ Zugentlastung: Kevlar

Bemerkung:

Andere Farben des Außenmantels auf Anfrage.



Complete technical data of the cables will be supplied on request

¹⁾ Datasheet of the fibre on request

Die kompletten technischen Daten der Kabel erhalten Sie auf Anfrage

¹⁾ Datenblatt der Faser auf Anfrage

Cables

Hybrid Camera cable acc. Standard SMPTE 311M

with safety outer sheath Ø16mm

Part-no. 2SM.16.44.9

(adapted for connector 3K.93C)

- 2x Single mode fiber 9/125µm¹⁾
- +4 x Power Wires AWG 20
- + 2 x Control Wires AWG 24
- + Tension Member: Steel wire

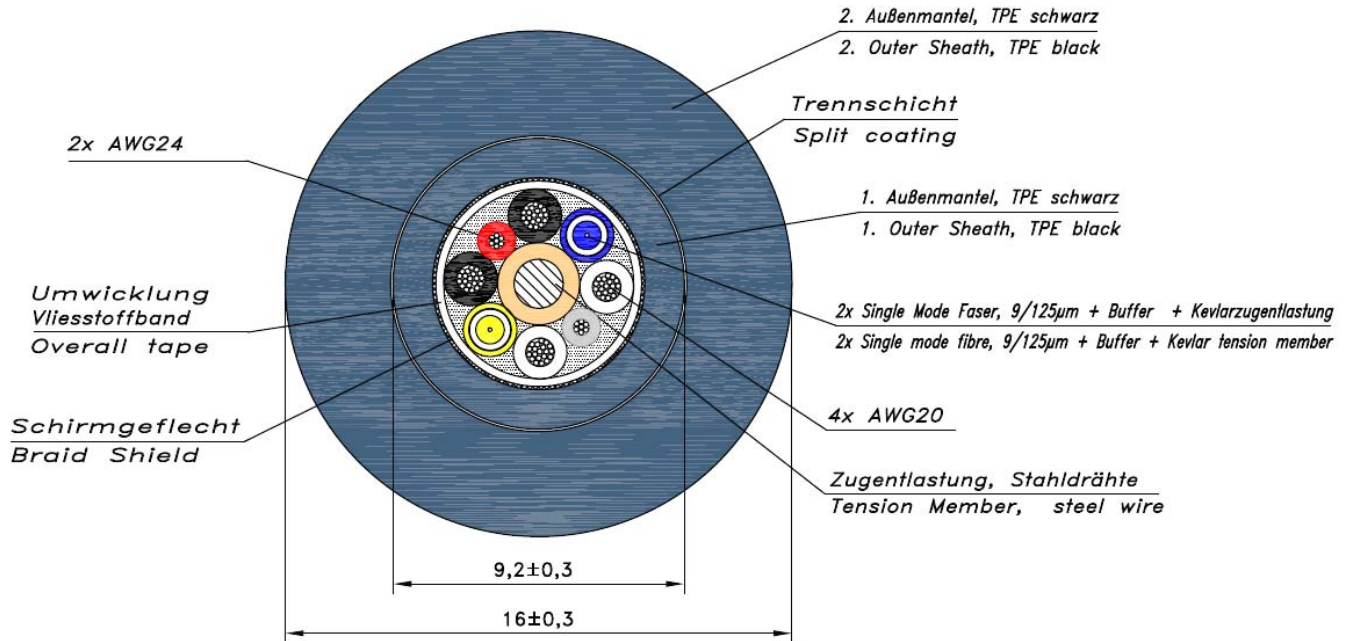
Hybrid Kamera Kabel nach Norm SMPTE 311M

mit Sicherheits- Außenmantel Ø16mm

Part-no. 2SM.16.44.9

(passend zur Steckverbindung 3K.93C)

- 2x Single mode fiber 9/125µm¹⁾
- +4 x Power-Leitung AWG 20
- + 2 x Steuerleitung AWG 24
- + Zugentlastung: Stahldrähte



HDTV Stedicam Miniature Camera cable

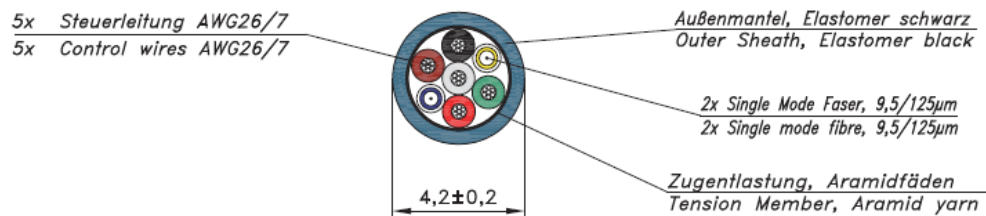
Part-no. 2SM.4.2.37.2

- 2 x Single mode fiber 9,5/125 µm
- + 5 x Power wires AWG 26
- + Tension Member

HDTV Stedicam Miniatur Kamera Kabel

Best.-Nr. 2SM.4.2.37.2

- 2 x Single Mode Faser 9,5/125 µm
- + 5 x Power-Leitung AWG 26
- + Zugentlastung



Complete technical data of the cables will be supplied on request

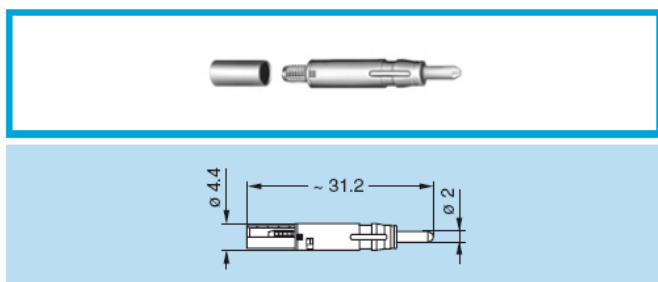
¹⁾ Datasheet of the fibre on request

Die kompletten technischen Daten der Kabel erhalten Sie auf Anfrage

¹⁾ Datenblatt der Faser auf Anfrage

Contacts

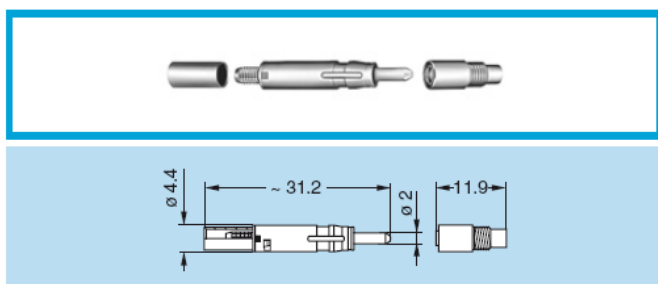
FFS.F2 Standard F2 male fibre optic contact



Part Number	For connector models	Cable structure	Cable ø
FFS.F2.BA2.LCT10	PHW, PEW, PBW, PUW	Buffer coated fibre	0.25 to 1.1
FFS.F2.BA2.LCE30	EDW, ENW, EBW	Tight jacket cable	1.7 to 3.0

Note: The above contacts are fitted with a 125 µm bore ferrule

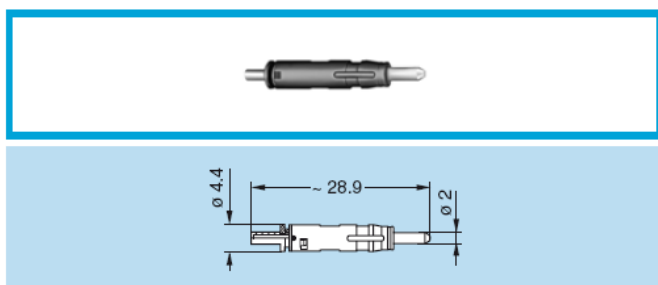
PSS.F2 Standard F2 female fibre optic contact



Part Number	For connector models	Cable structure	Cable ø
PSS.F2.BA2.LCT10	FGW, FMW, FUW	Buffer coated fibre	0.25 to 1.1
PSS.F2.BA2.LCE30	FXW	Tight jacket cable	1.7 to 3.0

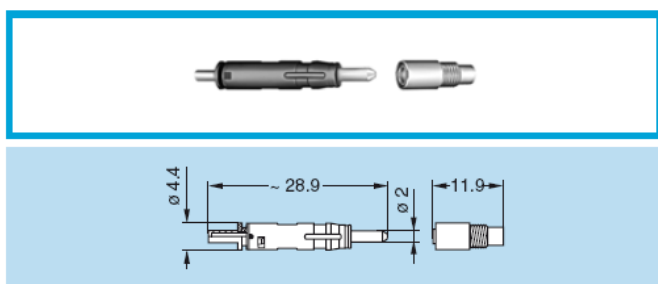
Note: The above contacts are fitted with a 125 µm bore ferrule

FFT.F2 Pre-terminated F2 male fibre optic contact



Part Number	For connector models	Cable structure	Cable ø
FFT.F2.BA2.LCE10	PHW, PEW, PBW, PUW	Buffer coated fibre	0.25 to 1.1

PST.F2 Pre-terminated F2 female fibre optic contact



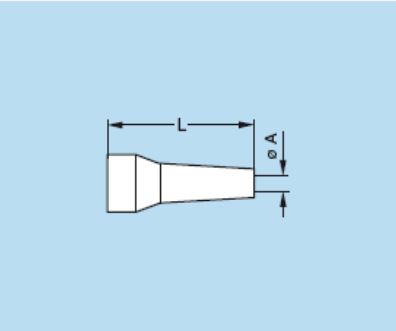
Part Number	For connector models	Cable structure	Cable ø
PST.F2.BA2.LCE10	FGW, FMW, FUW	Buffer coated fibre	0.25 to 1.1

Note: all dimensions are in millimetre.

Assessories



GMA Bend relief



Part Number	Cable group	Dim. (mm)	
		A	L
GMA.3B.090.DN	2-4	9	42
GMA.4B.011.DN	3	11	60

Ref.	Colour	Ref.	Colour	Ref.	Colour
A	blue	J	yellow	R	red
B	white	M	brown	S	orange
G	grey	N	black	V	green

Note: The last letter «N» of the part number indicates the colour black of the bend relief.
For others colour, refer to the adjacent table and replace letter «N» by the letter of the colour required.

GMF Bend relief with cap



Part Number	For connector model
GMF.3K.085.EANZ	FUW

Material: black EPDM

GMP Bend relief with cap



Part Number	For connector model
GMP.3K.085.EANZ	PUW

Material: black EPDM

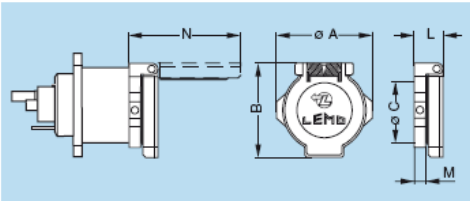
GMF Coloured ring for bend relief with cap



Part Number	Colour
GMF.3K.265.RG	grey
GMF.3K.265.RN	black
GMF.3K.265.RR	red
GMF.3K.265.RV	green

Material: Silicone

BRR Spring loaded dust cap for EDW and EBW



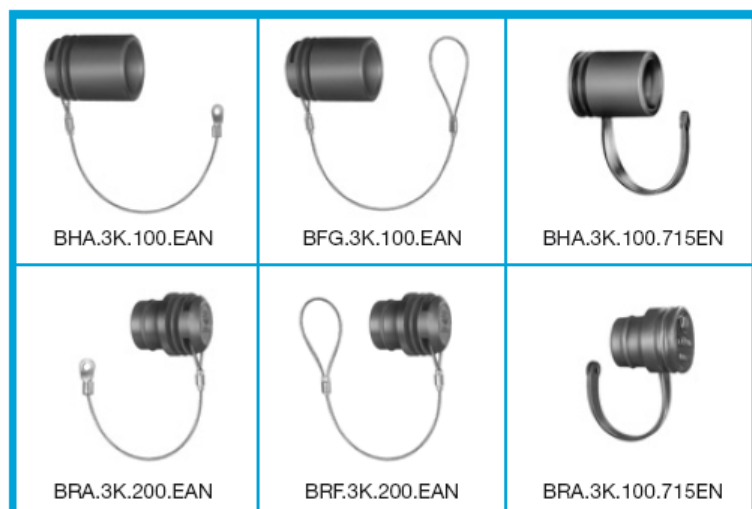
Part Number	Dimensions (mm)					
	A	B	C	L	M	N
BRR.3K.200.PZSG	29	29	23	8.1	3	33.2

Note: On request, this cap is available in black. If so replace the last letter «G» of the part number by «N».

Material: Polyoxymethylene (POM) grey (or black)

Assessories

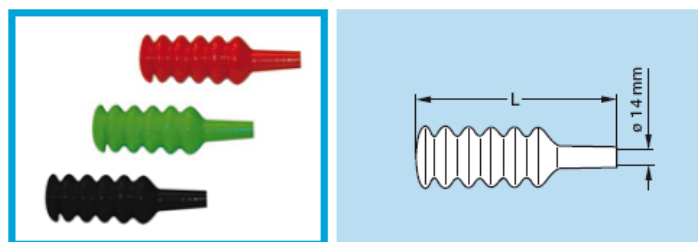
B●● Blanking caps



Part Number	For connector model
BHA.3K.100.EAN	FMW, FXW
BRA.3K.200.EAN	EDW, PEW
BFG.3K.100.EAN	FMW, FXW
BRF.3K.200.EAN	PUW
BHA.3K.100.715EN	FMW, FXW
BRA.3K.100.715EN	EBW, EDW, ENW, PBW, PEW

Material: black EPDM

GM● Gaiters for additional protection for outdoor application



Part Number	Colour	Dimension L mm	For connector model
GMP.3K.140.165PER	red	165	PUW
GMP.3K.140.165PEN	black	165	PUW
GMP.3K.140.165PEA	blue	165	PUW
GMP.3K.140.165PEV	green	165	PUW
GMF.3K.140.156PEV	green	156	FUW
GMF.3K.140.156PEN	black	156	FUW
GMF.3K.140.156PEA	blau	156	FUW
GMF.3K.140.156PEJ	gelb	156	FUW

Material: PVC

LST● Leather protection hood



Part Number	Colour coding
LST.KH.200.090.SW.T	black
LST.KH.200.090.RT.T	red
LST.KH.200.090.GN.T	green

The Leather protection hood in Thermo-version provides optimal protection against dust, humidity and mechanical influences for the connectors.

KTR● Cable drums



Wooden drum



Metal drum (example)

Cables more than 100m are supplied on wooden drums.
Unless otherwise requested

Metal drums on request

Patch panels

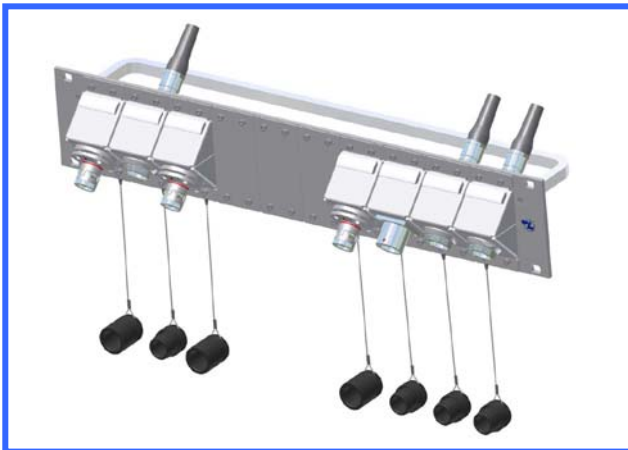
P●● Patch panel



1U, 2U or 3U panel

- Different mounting variations
- Colours by request

PBX Patchpanel with 45° Patchpanel Inserts



2U panel up to 10 plugs or sockets

- Different mounting variations
- Colours by request

BRE.3K.SW.736 Blanking cap for patch panels

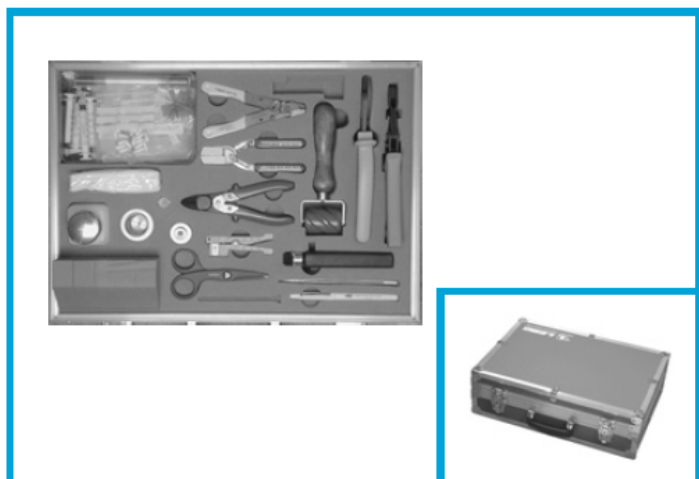


Closing for idle Patch panel holes

Material: PVC black

Tools

DRV Complete workstation for fibre optic contact



Part Number	Contact type
DRV.91.CF2.PN	F2

Note: other tools such as polishing machine and optical test instrument are also necessary.

DRV Complete workstation for pre-terminated field termination



Part number	Contact type
DRV.91.CF2.736	F2 Pre-terminated

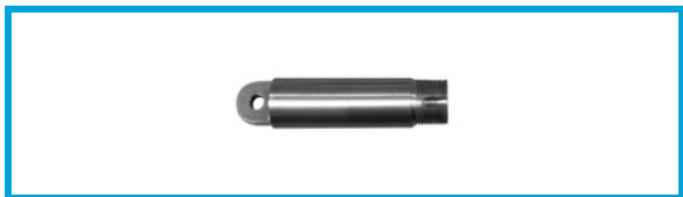
UW Parts for field repair with pre-terminated F2 contact



Part Number (Repair kit for FUW plug)	Content part number	Description	Quantity
FUW.3K.93C.ZLMC96W	EGW.3K.444.EL	Insulator for plug	1
	EGG.3B.660.ZZM	Contact for signal	2
	FGW.3K.565.ZZC	Contact for power	2
	PST.F2.BA2.LCE10	Pre-terminated F2 contact	2
	FGW.3K.146.ZZA	Anchor with screws	1
	FFS.3K.130.LNV	Earthing body with o-ring	1
	FFS.3K.160.DN	Crimp ring	1
	GDA.99.140.100VK	O-ring for backshell	1
	GMA.32.018.RN	heat shrink	2
Part Number (Repair kit for PUW socket/receptacle)	Content part number	Description	Quantity
PUW.3K.93C.ZLCC96W	FGW.3K.344.EL	Insulator for socket (recep.)	1
	FGG.3B.560.ZZC	Contact for signal	2
	EGW.3K.666.ZZM	Contact for power	2
	FFT.F2.BA2.LCE10	Pre-terminated F2 contact	2
	FGW.3K.146.ZZA	Anchor with screws	1
	FFS.3K.130.LNV	Earthing body with o-ring	1
	FFS.3K.160.DN	Crimp ring	1
	GDA.99.140.100VK	O-ring for backshell	1
	GMA.32.018.RN	heat shrink	2

Tools

DCS.3K.175.72LN Cable puller



The LEMO cable puller, is a pull through tool that allows passing the cable through narrow sections and protects the optical fibre during installation.

Maintenance Tools

DCS.F2.035.PN Alignment device tool

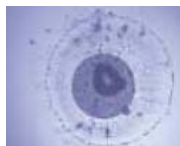


Simple tool with two threaded end for installation/extraction of the F2 contact alignment device. For use with WST.KI.125.34 kit above.

DCT.F2.125.PA Fibre Optic ferrule cleaner



This cleaning tool comes with a bush for different cleaning configurations. More than 500 cleaning per cleaner. This cleaner is for on-site purposes only and should not replace regular maintenance cleaning with cotton buds and alcohol.



Before



After

WST.KI.125.34 Cleaning kit F2 contact



Fibre optic cleaning kit of 2 cotton buds, 1 dry and 1 being soaked in IPA (Isopropyl Alcohol) used for cleaning the fibre optic contacts.

Maintenance Tools

WST.FB.CI1.000F2.736 Video Inspection Viewer



A portable fibre optic viewer for F2 contact consisting of handset probe, LCD display. Ferrule tips for LC, SC, FC and LEMO contacts. Viewer and AC power adaptor rugged in a case.

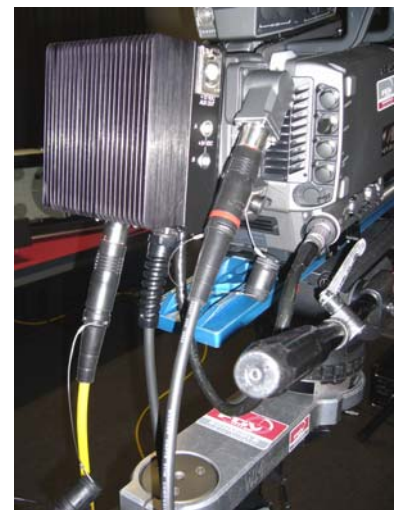
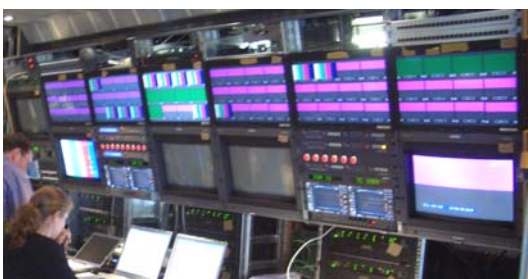
CBC.3K.93C.736 Cable Checker



Fibre Optic Cable Checker with a exclusive design for reliable transmission and easy cleaning, the Cable Checker allows fast, easy confirmation of HFO cables in the field. The compact design features a backlit digital display to measure optic loss and electrical continuity. The Cable Checker is supplied inclusive 2x Patchcables (LEM.CBC.PUWFUW0.80) for protection of the Cable Checker optic.

LEMO Elektronik GmbH
Hanns-Schwindt-Str. 6
81829 München
Tel.: 089-427703 Fax.: 089-4202192
e-mail: info@lemo.de

www.lemo.de



Stand .Iuli/09