

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



2302748

<https://www.phoenixcontact.com/us/products/2302748>

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VARIOFACE front adapters, for Allen Bradley ControlLogix and Honeywell PlantScape, input card IB 32.
The front adapters are pushed into the high 1756-TBE hoods (not supplied as standard).

Commercial data

Item number	2302748
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK231S
GTIN	4017918910471
Weight per piece (including packing)	65.333 g
Weight per piece (excluding packing)	62.7 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Front adapter
Product family	VARIOFACE

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (per branch)	≤ 1 A

Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 µs)

Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB32
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Supported controller HONEYWELL Experion PKS C200

Suitable I/O card	TC-IDD 321
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Connection data

Connection 1 (control level)

Connection method	Plug-in connection
Number of positions	36

Connection 2 (field level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 3 (supply)

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Number of positions	4
Conductor cross-section rigid	0.14 mm² ... 1.5 mm²

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Conductor cross-section rigid (2 conductors with same cross section)	0.08 mm ² ... 0.5 mm ²
Conductor cross-section flexible	0.14 mm ² ... 1.5 mm ²
	0.25 mm ² ... 1.5 mm ² (Ferrule without plastic sleeve)
	0.25 mm ² ... 0.75 mm ² (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.08 mm ² ... 0.75 mm ²
	0.25 mm ² ... 0.34 mm ² (Ferrule without plastic sleeve)
	0.5 mm ² ... 0.5 mm ² (TWIN ferrule with plastic sleeve)
Conductor cross-section AWG	28 ... 16
Tightening torque	0.22 Nm ... 0.25 Nm
Pitch	3.81 mm

Dimensions

Item dimensions

Width	104.9 mm
Height	33 mm
Depth	40.84 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP00
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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Mounting

Mounting type	Plug-in mounting
Mounting position	any

Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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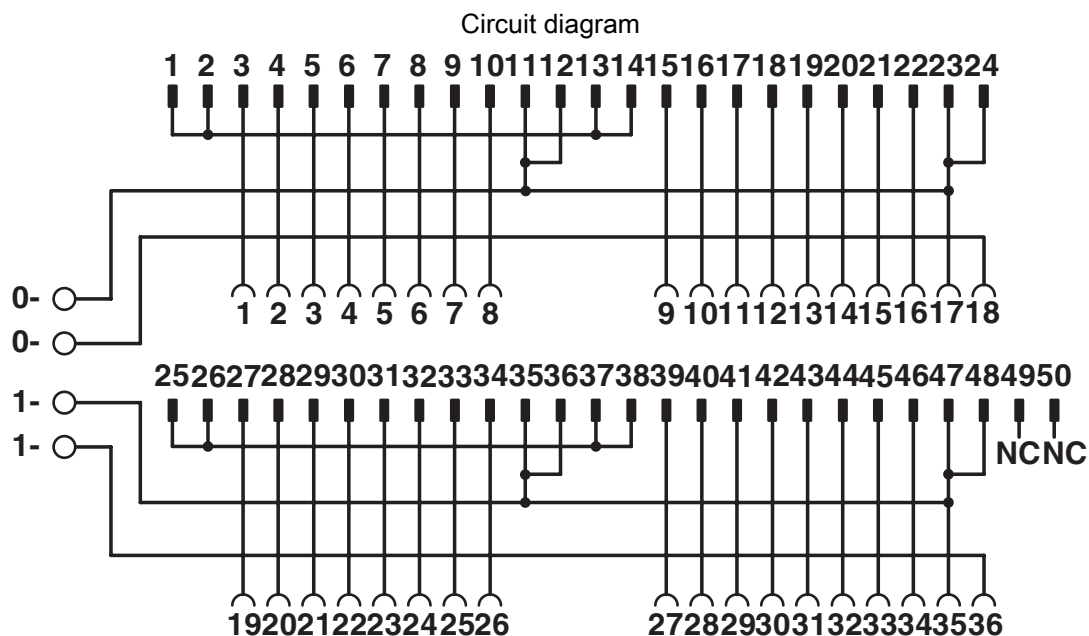
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Drawings



Connection scheme FLKM 50-PA-AB/1756/IN/EXTC

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2302748>

 cUL Recognized Approval ID: E238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	1 A	-	-

 UL Recognized Approval ID: E238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	1 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

ETIM

ETIM 9.0	EC002584
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	51622aad-fd34-471e-8b78-18f128637d39

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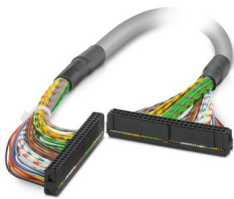
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Accessories

FLK 50/EZ-DR/ 50/KONFEK - Cable

2289065

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 0.5 m

FLK 50/EZ-DR/ 100/KONFEK - Cable

2289078

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



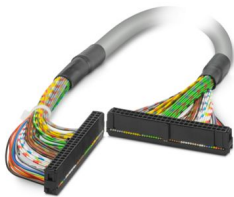
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FLK 50/EZ-DR/ 150/KONFEK - Cable

2289081

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1.5 m

FLK 50/EZ-DR/ 200/KONFEK - Cable

2289094

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



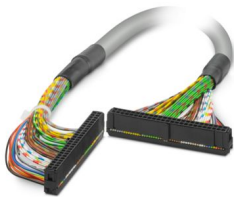
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FLK 50/EZ-DR/ 250/KONFEK - Cable

2289104

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2.5 m

FLK 50/EZ-DR/ 300/KONFEK - Cable

2289117

<https://www.phoenixcontact.com/us/products/2289117>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 3 m

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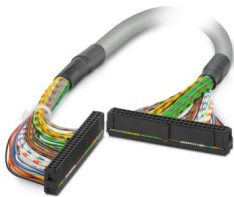
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FLK 50/EZ-DR/ 400/KONFEK - Cable

2289133

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4 m

FLK 50/EZ-DR/ 450/KONFEK - Cable

2289573

<https://www.phoenixcontact.com/us/products/2289573>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4.5 m

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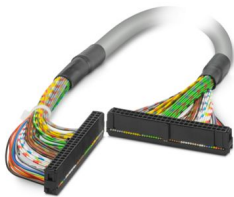
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FLK 50/EZ-DR/ 500/KONFEK - Cable

2289586

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 5 m

FLK 50/EZ-DR/ 600/KONFEK - Cable

2289609

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 6 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



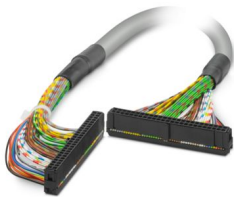
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FLK 50/EZ-DR/ 700/KONFEK - Cable

2289625

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 7 m

FLK 50/EZ-DR/ 750/KONFEK - Cable

2289638

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 7.5 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



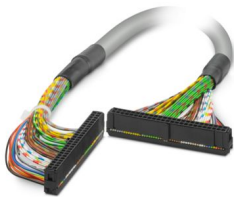
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FLK 50/EZ-DR/ 800/KONFEK - Cable

2289641

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 8 m

FLK 50/EZ-DR/ 900/KONFEK - Cable

2289667

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 9 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



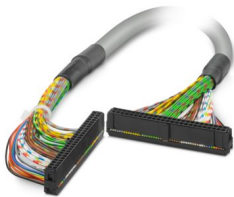
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FLK 50/EZ-DR/1000/KONFEK - Cable

2289683

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 10 m

FLK 50/EZ-DR/ 50/KONFEK/S - Cable

2299097

<https://www.phoenixcontact.com/us/products/2299097>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 0.5 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



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FLK 50/EZ-DR/ 100/KONFEK/S - Cable

2299107

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 1 m

FLK 50/EZ-DR/ 150/KONFEK/S - Cable

2299110

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 1.5 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



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FLK 50/EZ-DR/ 200/KONFEK/S - Cable

2299123

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 2 m

FLK 50/EZ-DR/ 300/KONFEK/S - Cable

2299136

<https://www.phoenixcontact.com/us/products/2299136>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 3 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



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FLK 50/EZ-DR/ 400/KONFEK/S - Cable

2299149

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 4 m

FLK 50/EZ-DR/ 600/KONFEK/S - Cable

2299152

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 6 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



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FLK 50/EZ-DR/1000/KONFEK/S - Cable

2299178

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 10 m

CABLE-FLK50/0,14/HF/ 0,5M - Cable

2314134

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 0.5 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



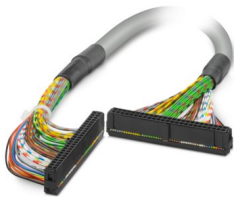
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CABLE-FLK50/0,14/HF/ 1,0M - Cable

2314147

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

CABLE-FLK50/0,14/HF/ 1,5M - Cable

2314150

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1.5 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



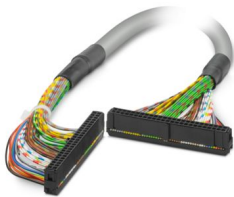
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CABLE-FLK50/0,14/HF/ 2,0M - Cable

2314163

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m

CABLE-FLK50/0,14/HF/ 2,5M - Cable

2314176

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2.5 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



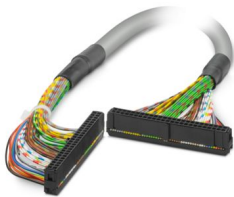
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CABLE-FLK50/0,14/HF/ 3,0M - Cable

2314189

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 3 m

CABLE-FLK50/0,14/HF/ 4,0M - Cable

2314192

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



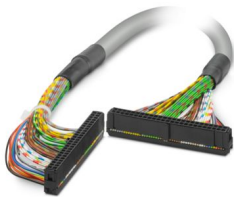
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CABLE-FLK50/0,14/HF/10,0M - Cable

2314244

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 10 m

CABLE-FLK50-0,14-HF/... - Cable

2314257

<https://www.phoenixcontact.com/us/products/2314257>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: variable

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



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FLK 50/4X14/EZ-DR/ 50/KONFEK - Cable

2296689

<https://www.phoenixcontact.com/us/products/2296689>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 0.5 m

FLK 50/4X14/EZ-DR/ 100/KONFEK - Cable

2296692

<https://www.phoenixcontact.com/us/products/2296692>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 1 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



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FLK 50/4X14/EZ-DR/ 150/KONFEK - Cable

2296702

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 1.5 m

FLK 50/4X14/EZ-DR/ 200/KONFEK - Cable

2296715

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 2 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



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FLK 50/4X14/EZ-DR/ 250/KONFEK - Cable

2305402

<https://www.phoenixcontact.com/us/products/2305402>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 2.5 m

FLK 50/4X14/EZ-DR/ 300/KONFEK - Cable

2296728

<https://www.phoenixcontact.com/us/products/2296728>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 3 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



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FLK 50/4X14/EZ-DR/ 400/KONFEK - Cable

2296731

<https://www.phoenixcontact.com/us/products/2296731>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 4 m

FLK 50/4X14/EZ-DR/ 600/KONFEK - Cable

2296744

<https://www.phoenixcontact.com/us/products/2296744>



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 6 m

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter



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FLK 50/4X14/EZ-DR/1000/KONFEK - Cable

2296773

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 10 m

FLK 50-4X14-EZ-DR ... - Cable

2302405

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Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: variable

FLKM 50-PA-AB/1756/IN/EXTC - Front adapter

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FLK 50-4X14-EZ-DR-S ... - Cable

2302447

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position) (The braided shield is routed to four separate cable ends.); cable length: variable

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