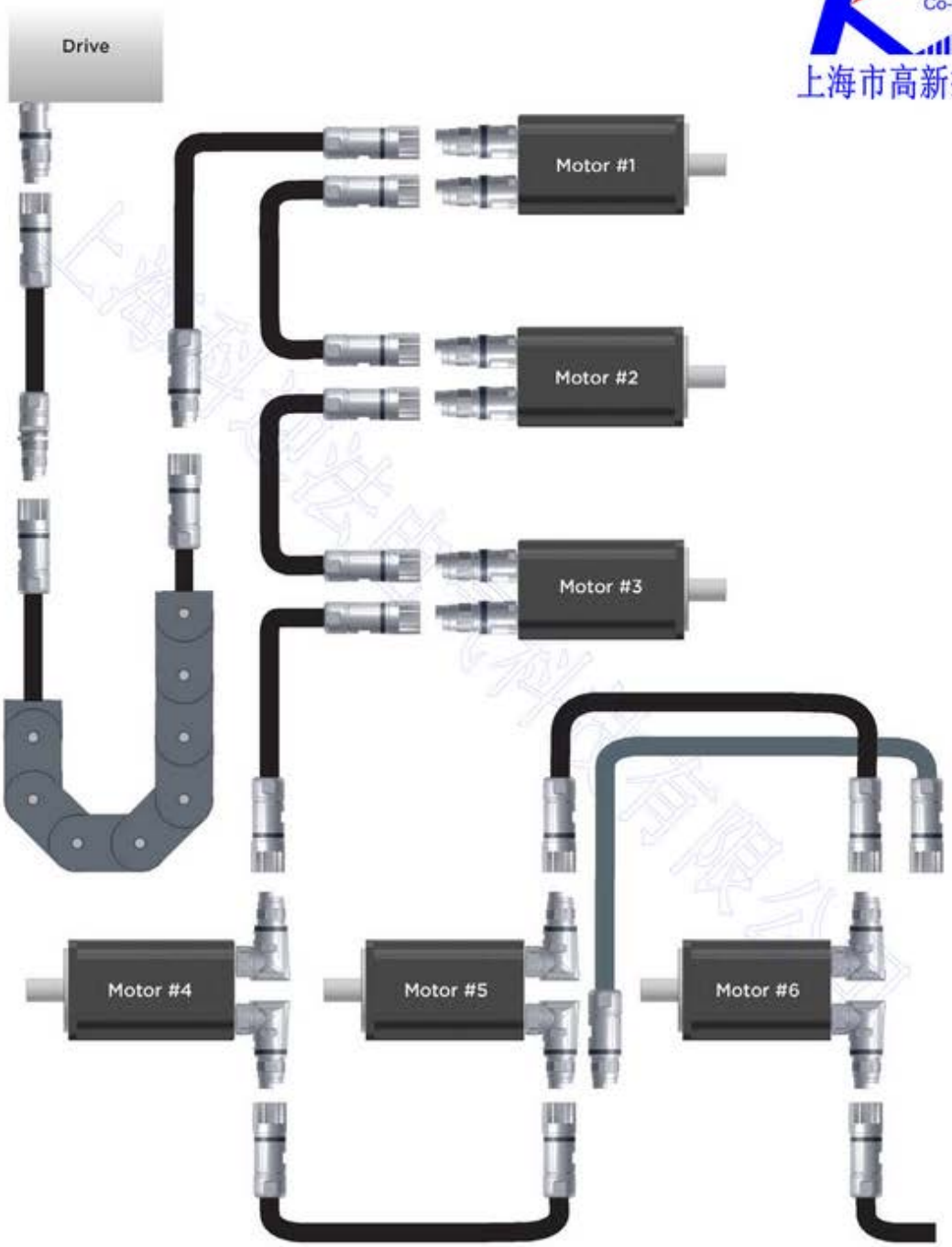
科迎法电气®
Co-fly Electronics
上海市高新技术企业



上海科迎法电气科技有限公司伺服连接器与线束制造商



鑫胡印保
182 1753 9767

CE

ROHS

SYSTEM CERTIFICATION ISO 14001 SGS

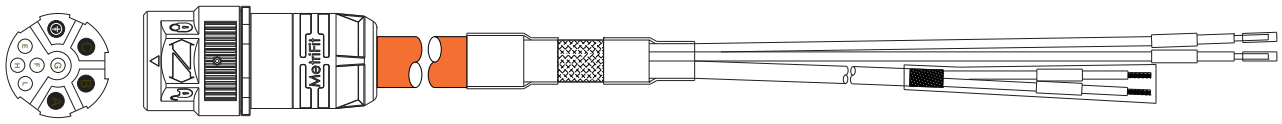
ISO/TS16949
ISO 质量体系认证
TÜVRheinland ISO

Single Motor, Hybrid Cable

Rockwell Part Number
2090-CSWM1DF-14AAxx

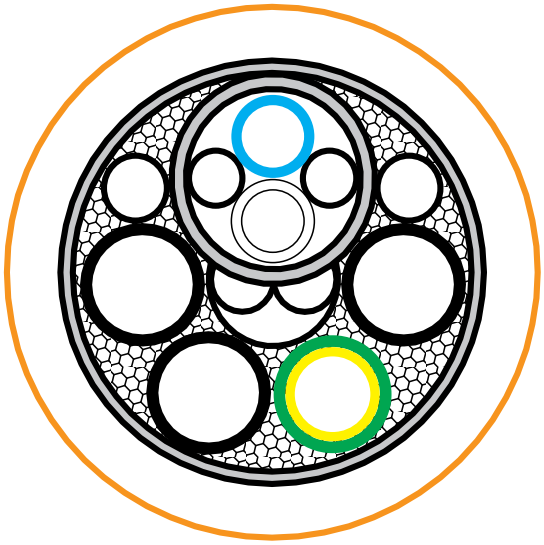
Amphenol Part Number	Checkmate™ Description
KYF-P30628-Mxx	Single motor cable, M23, Checkmate™, 1000V Hybrid cable with 4 power(14awg), 2 feedback (digital communication), drive-end flying leads

Cable Configuration	
Motor/Actuator End	Drive End



Amphenol Part Number	Bulk Cable Description
KA-56646	CBL, 4 X 2.5mm² +(2 X 22AWG)C, 80°C, 1000V, AWM Style

See detailed KA-56646 Bulk Cable Specification on the following page.



Nominal O.D.	0.51" (12.9mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Polyurethane (PUR)
Flex Life	See detailed cable spec on next page.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

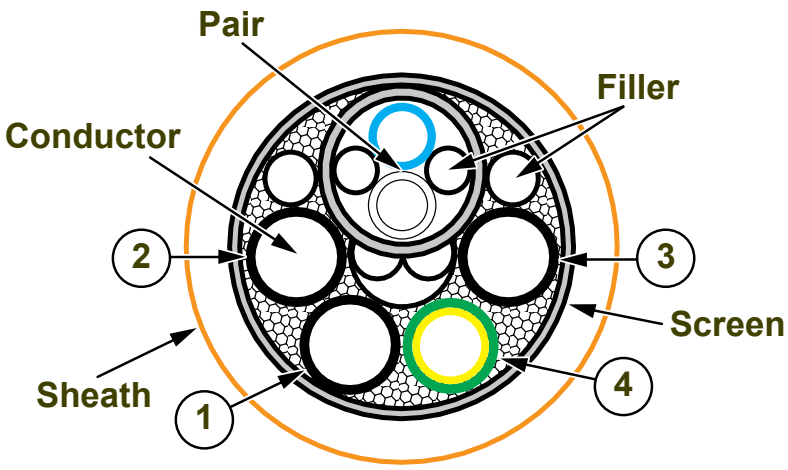
RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

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Bulk Cable Speci ications

Part Number: **KA-56646**



Callout Descriptions

1-3: Black
Conductor: Bare stranded copper, class 6 acc. to EN 60228
Conductor cross section 2.5mm²
Insulation: TPM
Wall Thickness approx. 0.5mm

4: Green/Yellow
Conductor: Bare stranded copper, class 6 acc. to EN 60228
Conductor cross section 2.5mm²
Insulation: TPM
Wall Thickness approx. 0.5mm

Pair: White and Blue (with Fillers)
Conductor: Bare stranded copper, ine wire
Conductor cross section 22AWG
Insulation: PP - Wall Thickness approx. 0.6mm
Wrapping: Plastic tape
Screen: Tinned copper braid, optical coverage approx. 85%Metalized screen tape

Cable Assembly: Stranded with illers over a core element
Sequence: Black #1 / Black #2 / Pair: White and Blue / Black #3 / Green-Yellow

Wrapping: Plastic tape

Screen: Tinned copper braid, optical coverage approx. 85%

Separating Layer: Non-woven tape, optional

Sheath: PUR, Orange DESINA RAL 2003 12.5mm ± 0.3mm Wall thickness approx. 1.2mm

Cable Speci ications

- Operating Voltage: 600V/1000V
- Conductor Resistance at 20°C: 22AWG: max. 51 Ω/km
  2.5mm²: max. 8.5 Ω/km
  (EN 50289-1-2)
- Insulation Resistance at 20°C: ≤ 1 GΩxkm
  (EN 50289-1-4)
- Dielectric strength test duration
  1 min. test voltage core/core 4 kV, core/screen 2.5 kV: no breakdown
  (EN 50289-1-3)
- Impedance at 1MHz
  (CAN bus, pair 22AWG): 110 ± 10 Ω
  (EN 50289-1-11)
- Operating Temp
  -Fixed Installation: -40°C to +80°C
  -Moved Application: -20°C to +80°C
  For high mechanical stress
  (example drag chain) max. 60°C
- Max Tensile Strength
  -Static: 50 N/mm² conductor cross section
  -Dynamic: 20 N/mm² conductor cross section
- Single Bend: 5 x cable diameter
- Multiple Bend: 7.5 x cable diameter
- Trailing Chain
  -Min Bend Radius: 7.5 x cable diameter
  -Max Acceleration: 10 m/s²
  -Max Speed: 180 m/min
  -Max Horizontal
  -Operating Way: 5 m
  Number of Bendings: 5 million
- Max Torsion: ± 30 °/m
- Halogen Free: EN 50267-2-1
- Oil Resistance: EN 60811-2-1
- Flame Retardant: EN 60332-1-2

Description: PSLC11Y-J 4X2,5+(2X22AWG)CSt

Cable Marking: AMPHENOL SINE SYSTEMS KA-56646 MOTIONLINE PREMIUM 4G2,5 +(2X22AWG)C C AWM STYLE 21223 AWM I/II A/B 80C 1000V FT1 DESINA ww/yy

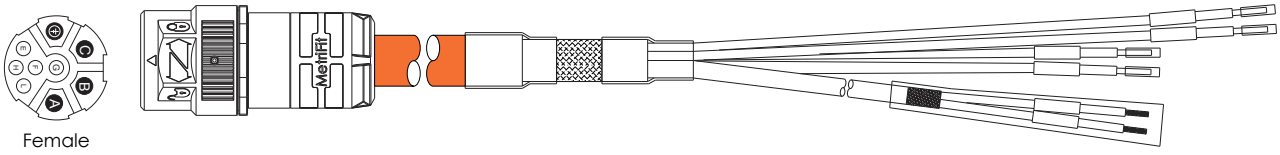
Single Motor, Hybrid Cable

Rockwell Part Number
2090-CSBM1DF-14AAxx

CO-FLY Part Number	Checkmate™ Description
KYF-P30626-Mxx	Single motor cable, M23, Checkmate™, 1000V Hybrid cable with 4 power(14awg), 2 feedback (digital communication) and 2 brake conductors, drive-end flying leads

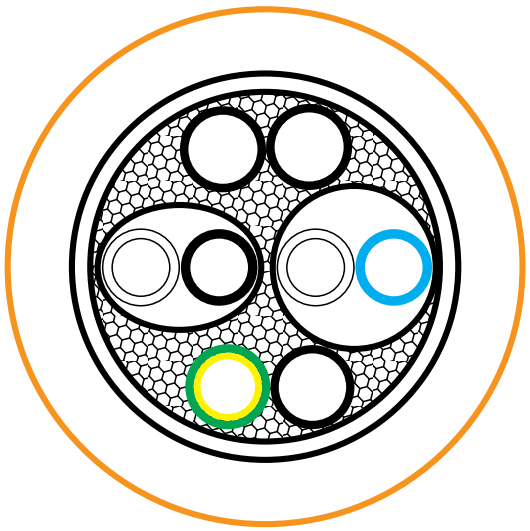
Cable Configuration

Motor/Actuator End	Drive End



Amphenol Part Number	Bulk Cable Description
KA-56647	CBL, 2.5mm²-4C, 22G-1PR, 1.0mm²-1PR, 80°C, 1000V, AWM Style

See detailed KA-56647 Bulk Cable Specification on the following page.



Nominal O.D.	0.55" (13.9mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Polyurethane (PUR)
Flex Life	See detailed cable spec on next page.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

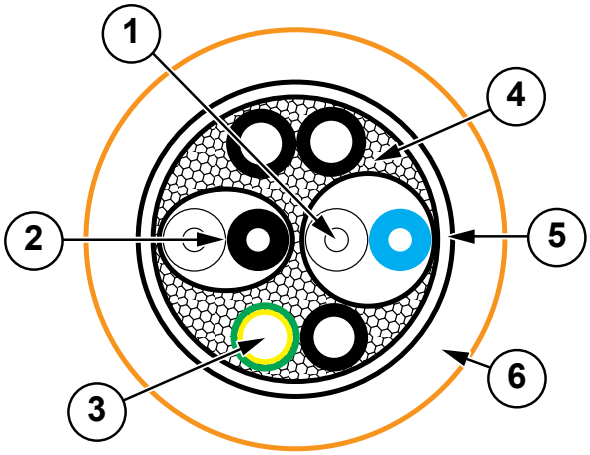
RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

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Co-fly Electronics

Bulk Cable Speci ications

Part Number: **KA-56647**



Callout Descriptions

1: (2xAWG22)ST/SN (BUS)
- Bare Copper Conductor 0,34mm²
- Polyolefin Insulation - Color White, Blue
- 2 cores twisted with fillers + No-Woven Tape
- Shield Tinned Copper Braid – Coverage ≥ 85%
- Aluminized Tape (overlapped)
- Plastic Tape (overlapped)

2: (2x1mm²)ST/N
- Conductor Bare Copper 1mm² (IEC 60228 Class 6)
- Insulation Polyolefin - Color Black, White
- 2 cores twisted + Plastic Tape
- Shield Tinned Copper Braid – Coverage ≥ 85%
- Plastic Tape (overlapped)

3: 4x2,5mm²
- Conductor Bare Copper 2.5mm² (IEC 60228 Class 6)
- Insulation Polyolefin - Color Black
- Numbered U/L1/C/L+, V/L2, W/L3/D/L-, Yellow/Green

4: Total Assembly
- Elements 1 - 2 - 3 with eventual fillers + no woven tape

5: Total Shield
- Shield Tinned Copper Braid - Coverage ≥ 85%

6: Overall Sheath
- No woven tape under sheath
- Polyurethane Sheath, Nominal Diameter 14mm
- Color Orange DESINA RAL 2003

Cable Specifications

Electrical Resistance at 20°C:	≤ 59,0 Ω/km (Section 0,34mm²) ≤ 19,5 Ω/km (Section 1,00mm²) ≤ 7,98 Ω/km (Section 2,50mm²)
Insulation Resistance 20°C:	≤ 500 MΩxkm
Test Voltage:	3 kVa.c.
Operating Voltage:	1000Va.c.
Capacitance 800÷1000Hz:	45±15 pF/m - (2x22AWG)ST/SN (BUS)
Characteristic Impedance at 10MHz:	110±10 Ω - (2x22AWG)ST/SN (BUS)
Capacitance 800÷1000Hz:	≤ 90 pF/m (Conductor) 4x2,5mm² ≤ 150 pF/m (Conductor/Shield) 4x2,5mm²
Temperature Range:	-40°C to +80°C (static, dynamic and storage)
Minimum Bending Radius:	5 x Ø (Static Use) - 7 x Ø (Dynamic Use)
Max Speed:	300 m/min
Max Acceleration:	50 m/s²
Max Torsion:	± 30°/m
Chain length:	20m
Max Number of cycles:	5,000,000

Flame Resistance:
CEI 20-35-1-2, EN 50265-1-2, IEC 60332-1-2, UL VW-1 – CSA FT1

Halogen Free:
CEI 20-37, EN 50267-2-1, IEC 60754-1

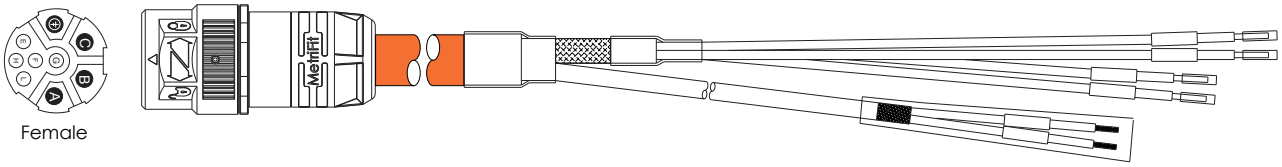
Hydrocarbons and Oil Resistance:
UL1581, VDE 0472 part 803 A/B, HD 22.10 S1, CNOMO E.03.40.150N

European Directives **2002/95/CE** *(***RoHS** *- Reduction of Hazardous Substances) and* **2002/96/CE** *(***WEEE** *– Waste from Electrical and Electronic Equipment)*

Description: FFE[4G2,5+(2x1)ST+(2xAWG22)ST/SN]ST/Rpu
Cable Marking: cULus AWM STYLE 21223 80°C 1000V - AWM I/II A/B 80°C 1000V FT1 –
[4G2,5+(2x1)H2+(2xAWG22)H2H]H2 - (Week/Year) - DESINA - CE

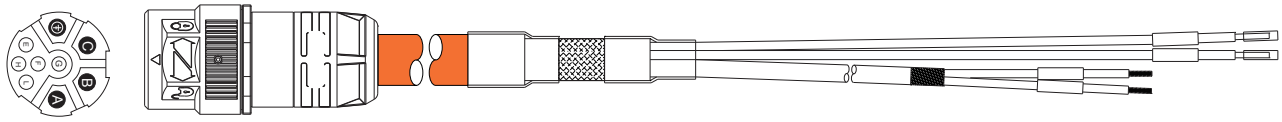
Single Motor, Hybrid Cable

Rockwell Part Number	
2090-CSBM1DF-18AAxx	
CO-FLY Part Number	Checkmate™ Description
KYF-P30627-Mxx	Single motor cable, M23, Checkmate™, 1000V Hybrid cable with 4 power(18awg), 2 feedback (digital communication) and 2 brake conductors, drive-end flying leads
Cable Configuration	
Motor/Actuator End	Drive End



Female

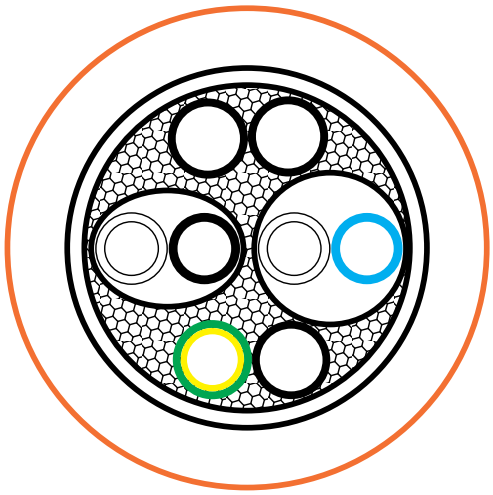
Rockwell Part Number	
2090-CSWM1DF-18AAxx	
CO-FLY Part Number	Checkmate™ Description
KYF-P30629-Mxx	Single motor cable, M23, Checkmate™, 1000V Hybrid cable with 4 power(18awg), 2 feedback (digital communication), drive-end flying leads
Cable Configuration	
Motor/Actuator End	Drive End



Female

CO-FLY Part Number	Bulk Cable Description
KYF-KA-56645	CBL, 1.0mm²-4C, 22G-1PR, 0.75mm²-1PR, 80°C, 1000V, AWM Style

See detailed KA-56645 Bulk Cable Specification on the following page.



Nominal O.D.	0.47" (11.9mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Polyurethane (PUR)
Flex Life	See detailed spec on next page.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

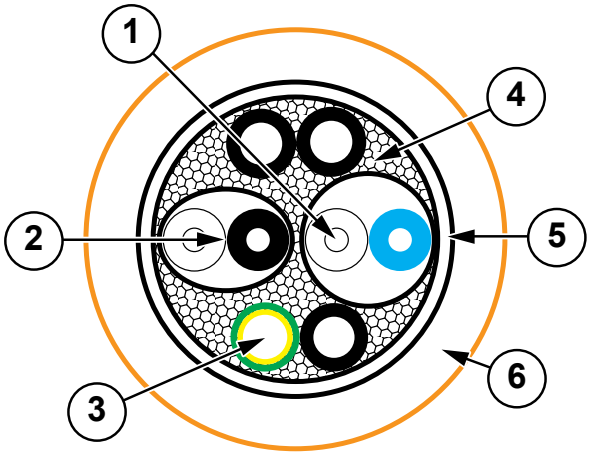
RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

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Bulk Cable Speci ications

Part Number: **KA-56645**



Callout Descriptions

1: (2xAWG22)ST/SN (BUS)
- Bare Copper Conductor 0,34mm²
- Polyolefin Insulation - Color White, Blue
- 2 cores twisted with fillers + No-Woven Tape
- Shield Tinned Copper Braid – Coverage ≥ 85%
- Aluminized Tape (overlapped)
- Plastic Tape (overlapped)

2: (2x0,75mm²)ST/N
- Conductor Bare Copper 0,75mm² (IEC 60228 Class 6)
- Insulation Polyolefin - Color Black, White
- 2 cores twisted + Plastic Tape
- Shield Tinned Copper Braid – Coverage ≥ 85%
- Plastic Tape (overlapped)

3: 4G1mm²
- Conductor Bare Copper 1mm² (IEC 60228 Class 6)
- Insulation Polyolefin - Color Black
- Numbered U/L1/C/L+, V/L2, W/L3/D/L-, Yellow/Green

4: Total Assembly
- Elements 1 - 2 - 3 with eventual fillers + no woven tape

5: Total Shield
- Shield Tinned Copper Braid - Coverage ≥ 85%

6: Overall Sheath
- No woven tape under sheath
- Polyurethane Sheath, Nominal Diameter 11,9mm
- Color Orange DESINA RAL 2003

Cable Specifications

Electrical Resistance at 20°C:	≤ 59,0 Ω/km (Section 0,34mm²) ≤ 26,0 Ω/km (Section 0,75mm²) ≤ 19,5 Ω/km (Section 1,00mm²)
Insulation Resistance 20°C:	≤ 500 MΩxkm
Test Voltage:	3 kVa.c.
Operating Voltage:	1000Va.c.
Capacitance 800 ÷ 1000Hz:	45 ± 15 pF/m - (2xAWG22)ST/SN (BUS)
Characteristic Impedance at 10MHz:	110 ± 10 Ω - (2xAWG22)ST/SN (BUS)
Capacitance 800 ÷ 1000Hz:	≤ 90 pF/m (Conductor/Conductor) 4x1mm² ≤ 150 pF/m (Conductor/Shield) 4x1mm²
Temperature Range:	-40°C to +80°C (static, dynamic and storage)
Minimum Bending Radius:	5 x Ø (Static Use) - 7 x Ø (Dynamic Use)
Max Speed:	300 m/min
Max Acceleration:	50 m/s²
Max Torsion:	± 30°/m
Chain length:	20m
Max Number of cycles:	5,000,000

Flame Resistance:
CEI 20-35-1-2, EN 50265-1-2, IEC 60332-1-2, UL VW-1, CSA FT1

Halogen Free:
CEI 20-37, EN 50267-2-1, IEC 60754-1

Hydrocarbons and oil resistance:
UL1581, VDE 0472 part 803 A/B, HD 22.10 S1, CNOMO E.03.40.150N

European Directives **2002/95/CE** *(***RoHS** *- Reduction of Hazardous Substances) and* **2002/96/CE** *(***WEEE** *– Waste from Electrical and Electronic Equipment)*

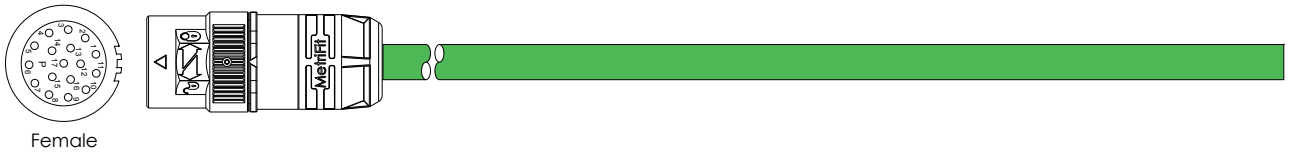
Description: FFE[4G1+(2X0,75)ST+(2X22AWG)ST/SN]ST/Rpu
Cable Marking: cULus AWM STYLE 21223 80°C 1000V - AWM I/II A/B 80°C 1000V FT1 – [4G1+(2x0,75)H2+(2xAWG22)H2H]H2 - (Week/Year) - DESINA - CE

Motor Feedback, Non-flex

Rockwell Part Number
2090-CFBM7DF-CEAAxx

CO-FLY Part Number	Checkmate™ Description
KYF-CMP30380-Mxx	Non-flex, motor feedback cable, M23, Checkmate™, single ended, high-resolution or resolver applications CE

Cable Configuration	
Motor/Actuator End	Drive End



Female

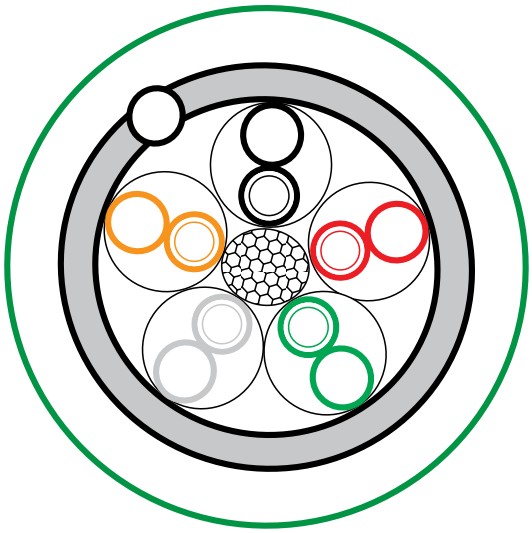
CO-FLY Part Number	Threaded Din Description
KYF-P30380-Mxx	Non-flex, motor feedback cable, M23, threaded DIN, single ended, high-resolution or resolver applications CE

Cable Configuration	
Motor/Actuator End	Drive End



Female

CO-FLY Part Number	Bulk Cable Description
KYF-KA-56615	5PR, 22AWG, 90°C, 300V, Type PLTC-ER, CSA AWM I/II A/B/ FT1



Nominal O.D.	0.38" (9.7mm)
Jacket Color	Green RAL 6018
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Aluminum Foil - Coverage 100% + Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Feedback, Continuous-flex

Rockwell Part Number	
2090-CFBM7DF-CEAFxx	
CO-FLY Part Number	Checkmate™ Description
KYF-CMP30158-Mxx	Continuous-flex, motor feedback cable, M23, Checkmate™, single ended, high-resolution or resolver applications CE
Cable Configuration	
Motor/Actuator End	Drive End



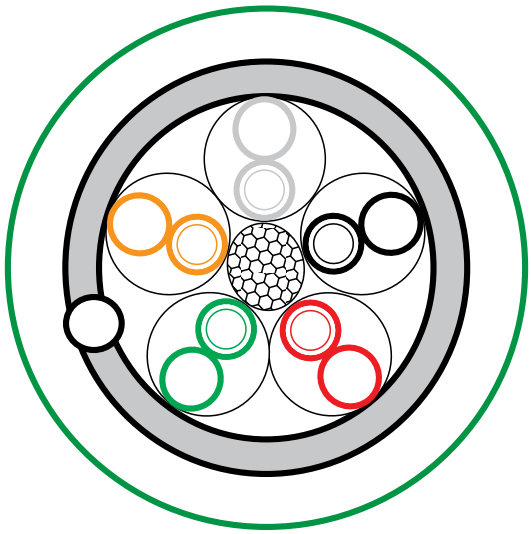
Female

CO-FLY Part Number	Threaded Din Description
KYF-P30158-Mxx	Continuous-flex, motor feedback cable, M23, threaded DIN, single ended, high-resolution or resolver applications CE
Cable Configuration	
Motor/Actuator End	Drive End



Female

CO-FLY Part Number	Bulk Cable Description
KYF-KA-56592	5PR, 22AWG, 90C 300V, TYPE PLTC-ER, UL AWM Style 90°C, 600V, CSA AWM I/II A/B/ FT1



Nominal O.D.	0.47" (11.8mm)
Jacket Color	Green RAL 6018
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 10 X O.D.
Shielding	Aluminum Foil - Coverage 100% + Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Feedback, Continuous-flex

Rockwell Part Number
2090-CFBM7E7-CEAFxx

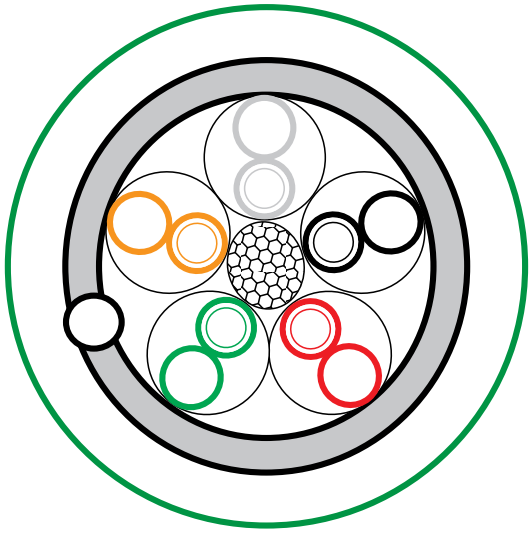
AmCO-FLY Part Number	Checkmate™ Description
KYF-CMP30220-Mxx	Continuous-flex, motor feedback cable, M23, Checkmate™, drive-end (male), M23 CheckMate™ extension connector, high-resolution or resolver applications CE

Cable Configuration	
Motor/Actuator End	Drive End



Female Male

CO-FLY Part Number	Bulk Cable Description
KYF-KA-56592	5PR, 22AWG, 90C 300V, TYPE PLTC-ER, UL AWM Style 90°C, 600V, CSA AWM I/II A/B/ FT1



Nominal O.D.	0.47" (11.8mm)
Jacket Color	Green RAL 6018
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 10 X O.D.
Shielding	Aluminum Foil - Coverage 100% + Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Feedback, Non-flex

Rockwell Part Number
2090-CFBM7DD-CEAAxx

CO-FLY Part Number	Checkmate™ Description
KYF-CMP30524-Mxx	Non-flex, motor feedback cable, M23, Checkmate™, drive-end 15-pin connector, high-resolution or resolver applications CE

Cable Configuration

Motor/Actuator End	Drive End



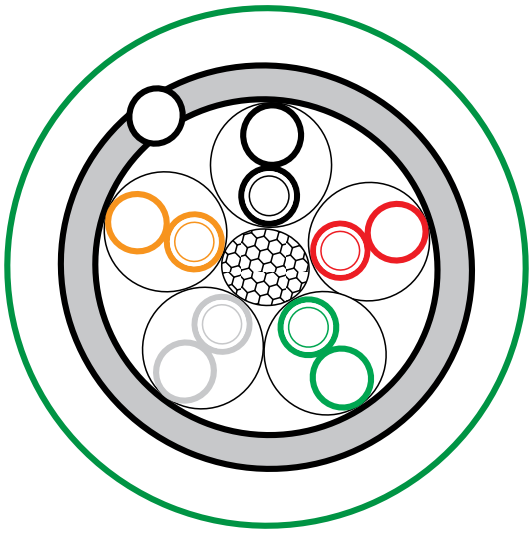
CO-FLY Part Number	Threaded Din Description
KYF-P30524-Mxx	Non-flex, motor feedback cable, M23, threaded DIN, drive-end 15-pin connector, high-resolution or resolver applications CE

Cable Configuration

Motor/Actuator End	Drive End



CO-FLY Part Number	Bulk Cable Description
KYF-KA-56615	5PR, 22AWG, 90°C, 300V, Type PLTC-ER, CSA AWM I/II A/B/ FT1



Nominal O.D.	0.38" (9.7mm)
Jacket Color	Green RAL 6018
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Aluminum Foil - Coverage 100% + Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Feedback, Continuous-flex

Rockwell Part Number
2090-CFBM7DD-CEAFxx

CO-FLY Part Number	Checkmate™ Description
KYF-CMP30219-Mxx	Continuous-flex, motor feedback cable, M23, Checkmate™, drive-end 15-pin connector, high-resolution or resolver applications CE

Cable Configuration

Motor/Actuator End	Drive End



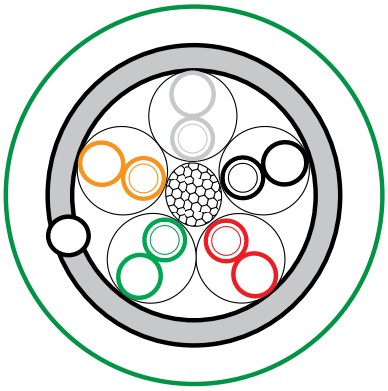
CO-FLY Part Number	Threaded Din Description
KYF-P30219-Mxx	Continuous-flex, motor feedback cable, M23, threaded DIN, drive-end 15-pin connector, high-resolution or resolver applications CE

Cable Configuration

Motor/Actuator End	Drive End



CO-FLY Part Number	Bulk Cable Description
KYF-KA-56592	5PR, 22AWG, 90C 300V, TYPE PLTC-ER, UL AWM Style 90°C, 600V, CSA AWM I/II A/B/ FT1



Nominal O.D.	0.47" (11.8mm)
Jacket Color	Green RAL 6018
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 10 X O.D.
Shielding	Aluminum Foil - Coverage 100% + Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Feedback, Continuous-flex

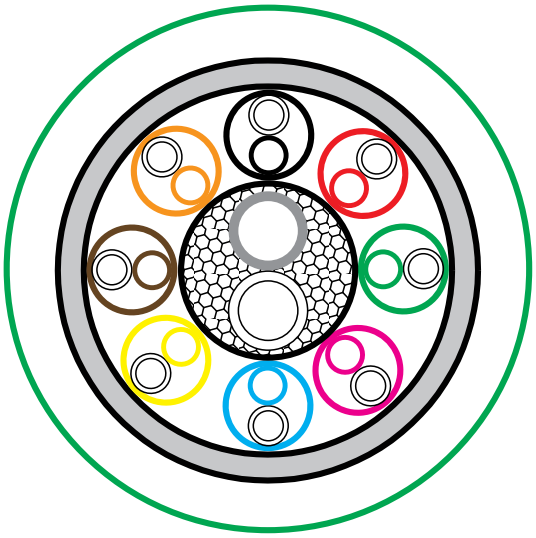
Rockwell Part Number	
2090-CFBM7DF-CDAFxx	
CO-FLY Part Number	Checkmate™ Description
KYF-CMP28123-Mxx	Continuous-flex, motor feedback cable, single ended, M23, Checkmate™, high-resolution or incremental applications CD
Cable Configuration	
Motor/Actuator End	Drive End



Rockwell Part Number	
2090-CFBM4DF-CDAFxx	
CO-FLY Part Number	Threaded Din Description
KYF-P28123-Mxx	Continuous-flex, motor feedback cable, M23, threaded DIN, single ended
Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56312-GRN	1PR, 16AWG, 7PR 26AWG, 1PR 22AWG, Shielded, 105°C, 300V, VW-1 AWM Style



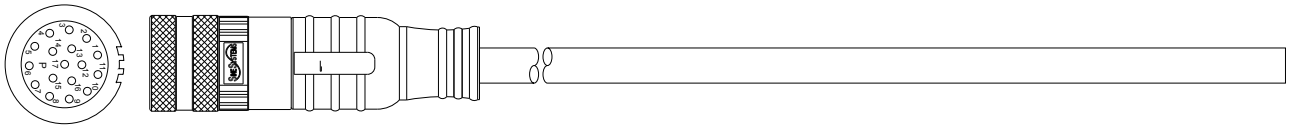
Nominal O.D.	0.43" (10.9mm)
Jacket Color	Green RAL 6018
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 10 X O.D.
Shielding	Shield Tinned Copper Braid, Double Spiral - Coverage = 95%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

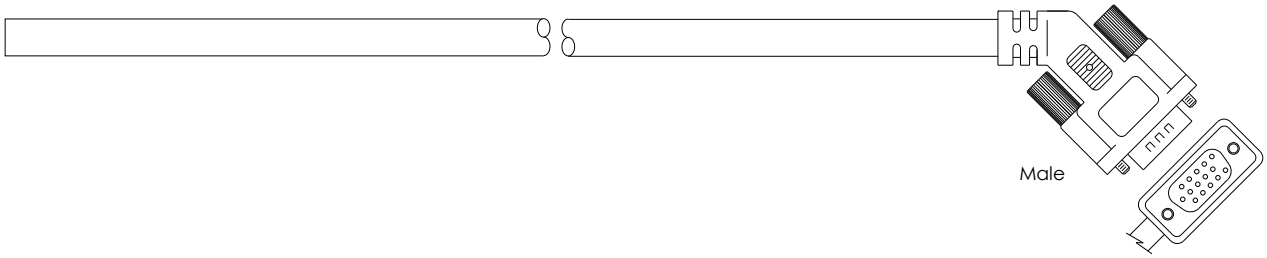
Motor Feedback, Non-flex

Rockwell Part Number	
2090-XXNFMF-Sxx	
co-fly Part Number	Threaded Din Description
KYF-P29166-Mxx	Non-flex, motor feedback cable, M23, threaded DIN, single ended
Cable Configuration	
Motor/Actuator End	Drive End



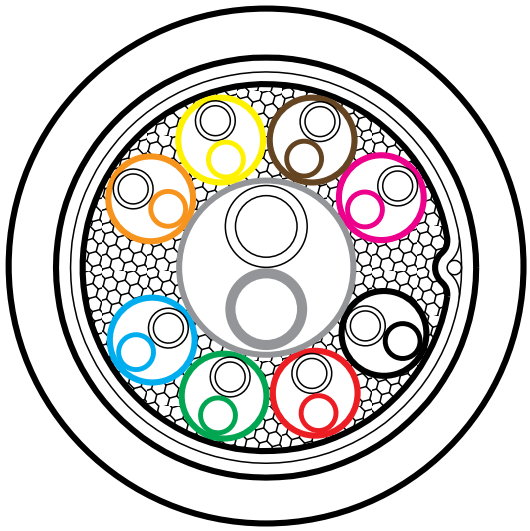
Female

Rockwell Part Number	
2090-UXNFM-Sxx	
co-fly Part Number	Threaded Din Description
KYF-P26855-Mxx	Non-flex, assembly, flying leads to drive end molded 15 position connector
Cable Configuration	
Motor/Actuator End	Drive End



Male

co-fly Part Number	Bulk Cable Description
KYF-KA-56133	1PR 16AWG, 7PR 28AWG, 1PR 22AWG, Shielded, 105°C, 300V, VW-1 AWM Style



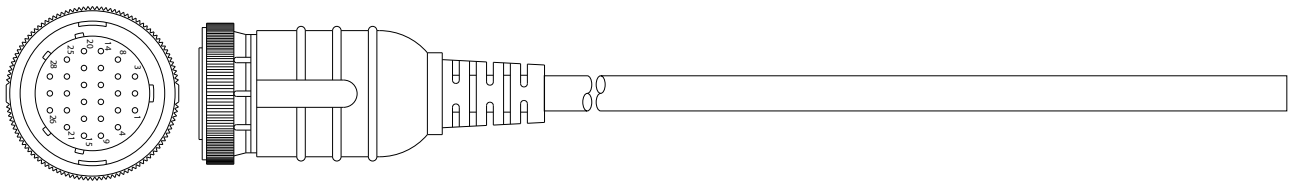
Nominal O.D.	0.38" (9.7mm)
Jacket Color	Black
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Aluminum Foil - Coverage 100% + Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

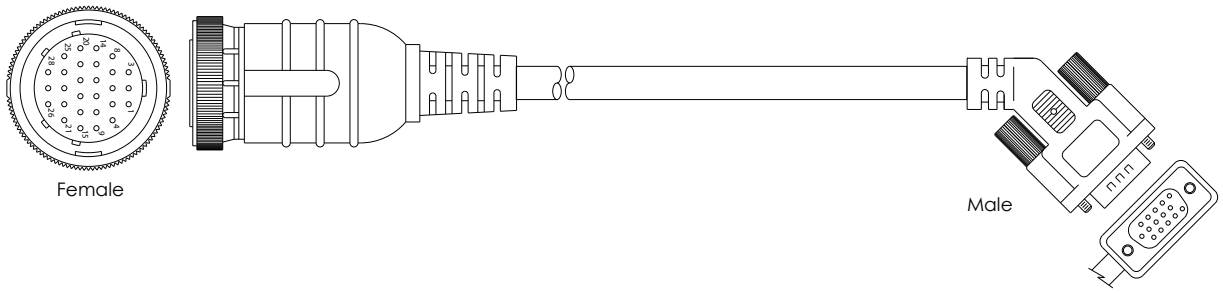
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Feedback, Non-flex

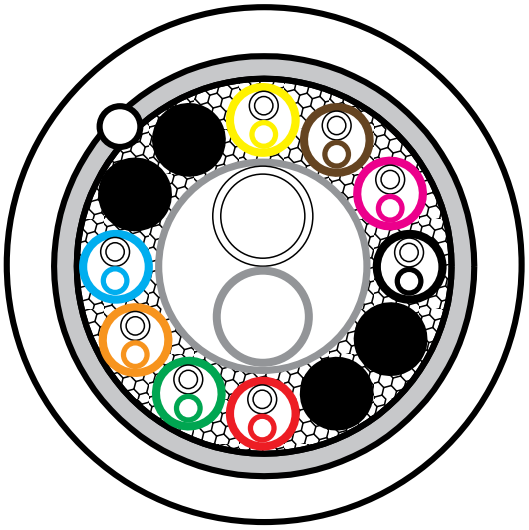
Rockwell Part Number	
2090-CFBM6DF-CBAAxx	
Amphenol Part Number	Threaded Din Description
MX-P29418-Mxx	Non-flex, motor feedback cable, standard, single ended, high-resolution, battery backup, or incremental applications CB
Cable Configuration	
Motor/Actuator End	Drive End



Rockwell Part Number	
2090-CFBM6DD-CCAAxx	
Amphenol Part Number	Threaded Din Description
MX-P29419-Mxx	Non-flex, motor feedback cable, standard, drive-end 15-pin connector, incremental applications only CC
Cable Configuration	
Motor/Actuator End	Drive End



Amphenol Part Number	Bulk Cable Description
KA-50203	8PR, 28AWG, 1PR 16AWG, Shielded, 105°C, 300V, VW-1 AWM Style



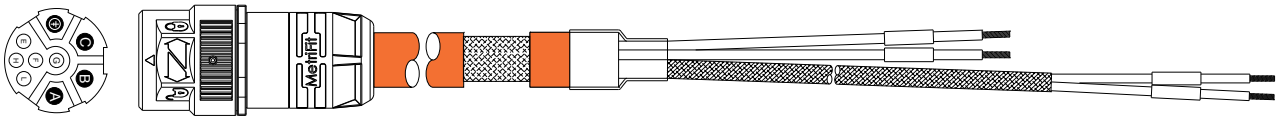
Nominal O.D.	0.39" (9.9mm)
Jacket Color	Black
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Aluminum Foil - Coverage 100% + Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Motor Power, Non-flex

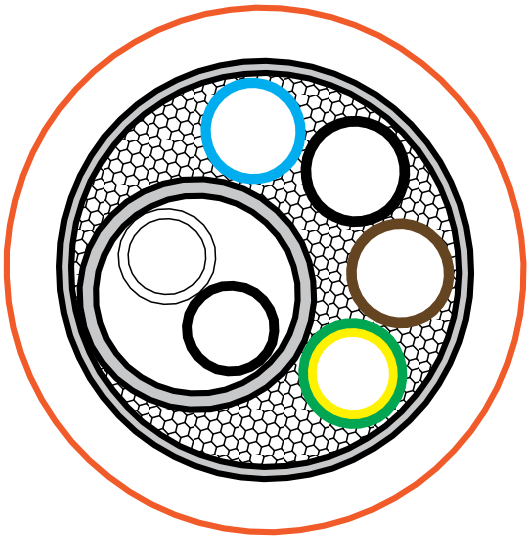
Rockwell Part Number	
2090-CPBM7DF-16AAxx	
co-fly Part Number	Checkmate™ Description
KYF-CMP30152-Mxx	Non-flex, motor power with brake cable, 16AWG, M23, Checkmate™, flying leads

Cable Configuration	
Motor/Actuator End	Drive End



Female

co-fly Part Number	Bulk Cable Description
KYF-KA-56578	4/C, 16AWG, 1PR, Shielded, 18AWG+ Overall Shield, 90°C, 600V, TYPE TC-ER



Nominal O.D.	0.50" (12.7mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

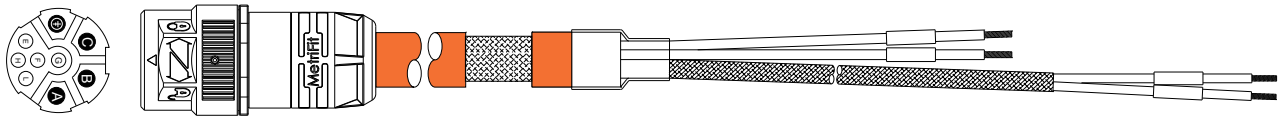
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power, Continuous-flex

Rockwell Part Number
2090-CPBM7DF-16AFxx

co-fly Part Number	Checkmate™ Description
KYF-CMP30159-Mxx	Continuous-flex, motor power with brake cable, 16AWG, M23, Checkmate™ flying-leads

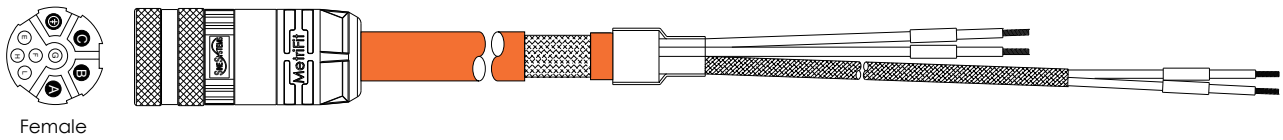
Cable Configuration	
Motor/Actuator End	Drive End



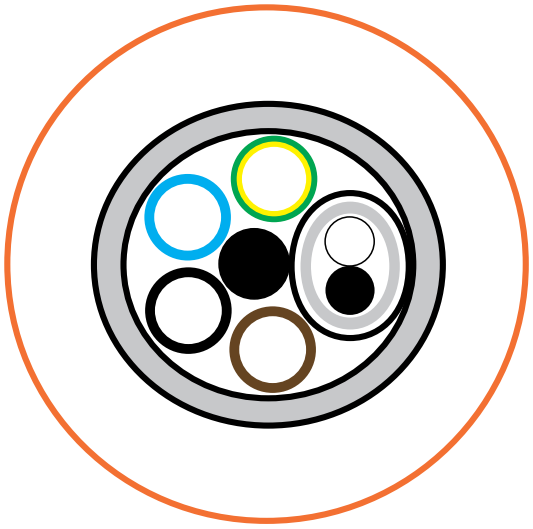
Rockwell Part Number
2090-CPBM4DF-16AFxx

co-fly Part Number	Threaded Din Description
KYF-P30159-Mxx	Continuous-flex, motor power with brake cable, 16AWG, M23, threaded DIN, flying-leads

Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56593	4/C, 16AWG, 1PR, Shielded, 18AWG+ Overall Shield, 105°C, 600V, UL AWM Style



Nominal O.D.	0.46" (11.7mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 12 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Continuous-flex

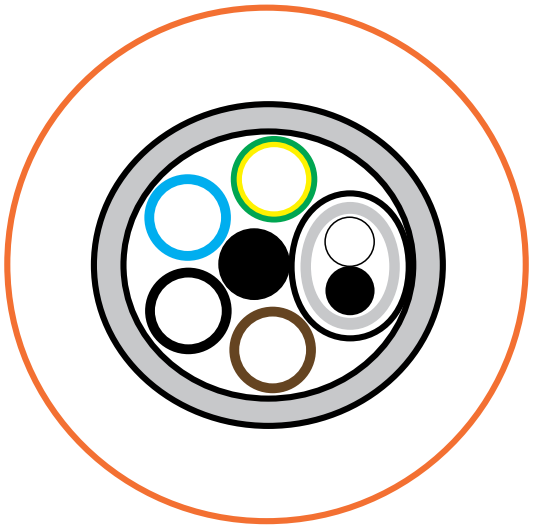
Rockwell Part Number
2090-CPBM7E7-16AFxx

co-fly Part Number	Checkmate™ Description
KYF-CMP30844-Mxx	Continuous-flex, motor power with brake cable, 16AWG, M23, Checkmate™, drive-end (male), M23 CheckMate™ extension connector high-resolution or resolver applications CE

Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56593	4/C, 16AWG, 1PR, Shielded, 18AWG + Overall Shield, 105°C, 600V, UL AWM Style



Nominal O.D.	0.46" (11.7mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 12 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

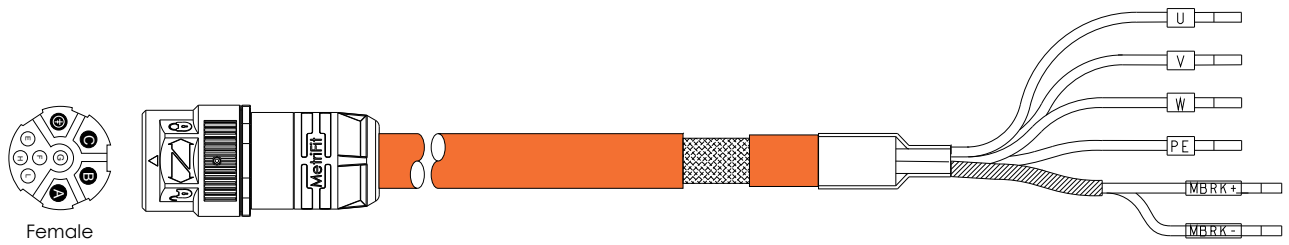
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power, Non-flex

Rockwell Part Number
2090-CPBM7DF-14AAxx

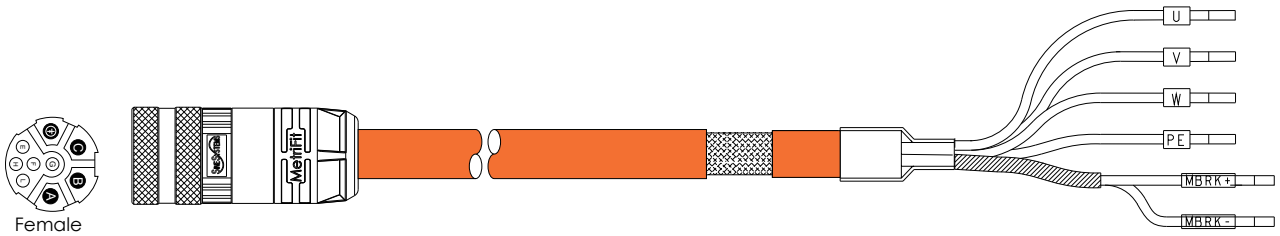
co-fly Part Number	Checkmate™ Description
KYF-CMP30153-Mxx	Non-flex, motor power with brake cable, 14AWG, M23, Checkmate™, flying leads

Cable Configuration	
Motor/Actuator End	Drive End

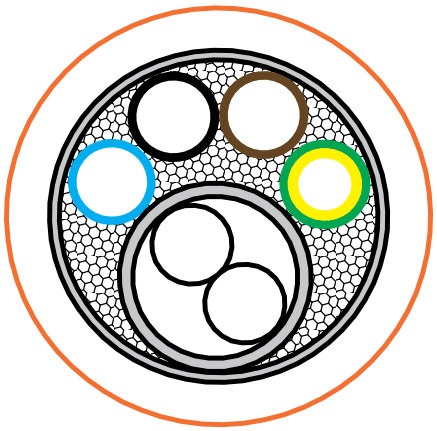


co-fly Part Number	Threaded Din Description
KYF-P30153-Mxx	Non-flex, motor power with brake cable, 14AWG, M23, threaded DIN, flying leads

Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56579	4/C, 14AWG, 1PR, Shielded, 18AWG+ Overall Shield, 90°C, 600V, TYPE TC-ER



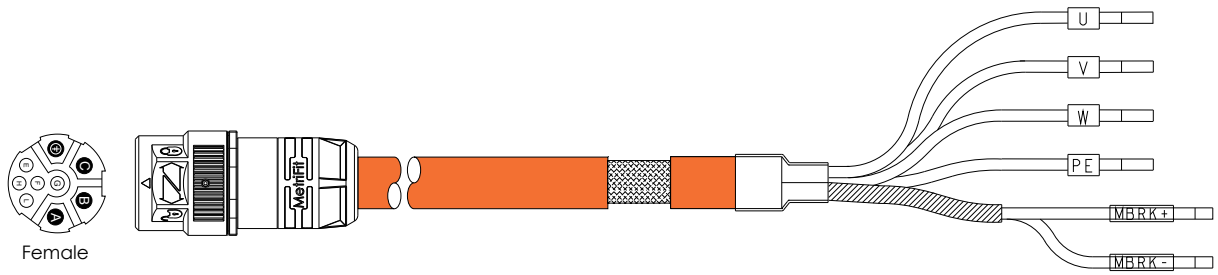
Nominal O.D.	0.52" (13.3mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

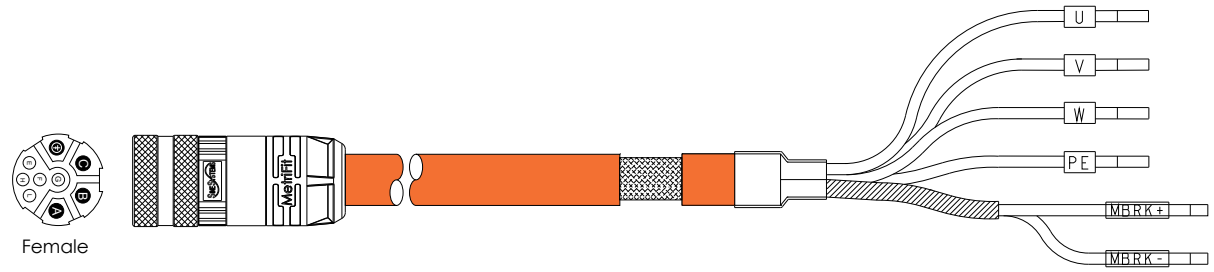
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Continuous-flex

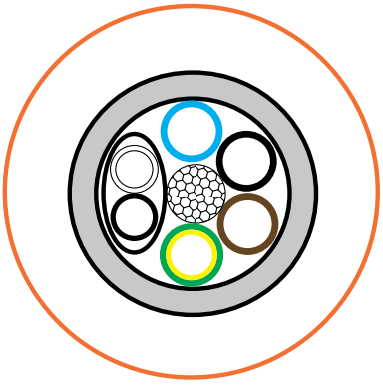
Rockwell Part Number	
2090-CPBM7DF-14AFxx	
co-fly Part Number	Checkmate™ Description
KYF-CMP30160-Mxx	Continuous-flex, motor power with brake cable, 14AWG, M23, Checkmate™, flying-leads
Cable Configuration	
Motor/Actuator End	Drive End



Rockwell Part Number	
2090-CPBM4DF-14AFxx	
co-fly Part Number	Threaded Din Description
KYF-P30160-Mxx	Continuous-flex, motor power with brake cable, 14AWG, M23, threaded DIN, flying-leads
Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56594	4/C, 14AWG, 1PR, Shielded, 18AWG+ Overall Shield, 90°C, 600V, UL TYPE TC-ER



Nominal O.D.	0.50" (12.7mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 12 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Continuous-flex

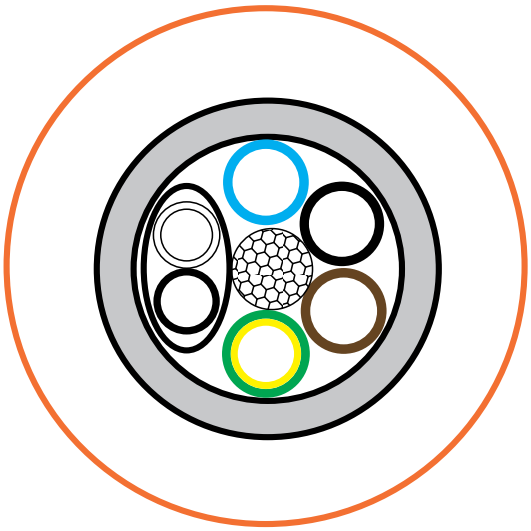
Rockwell Part Number	
2090-CPBM7E7-14AFxx	
co-fly Part Number	Checkmate™Checkmate™ Description
KYF-CMP30335-Mxx	Continuous-flex, motor power with brake cable, 14AWG, M23, Checkmate™, drive-end (male),M23 CheckMate™ extension connector, high-resolution or resolver applications CE

Cable Configuration

Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56594	4/C, 14AWG, 1PR, Shielded, 18AWG+ Overall Shield, 90°C, 600V, UL TYPE TC-ER



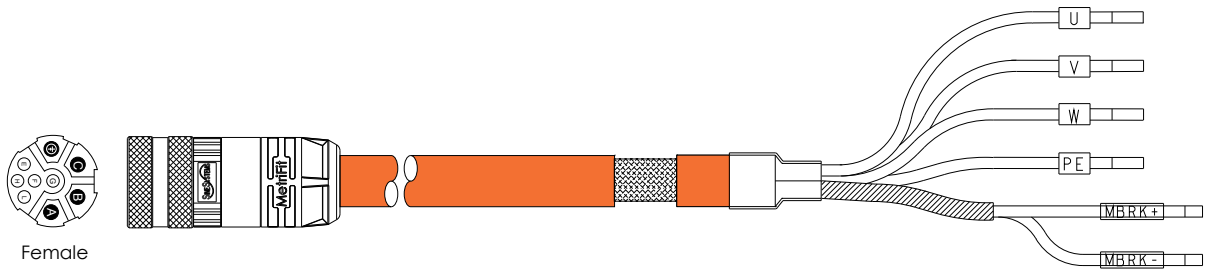
Nominal O.D.	0.50" (12.7mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 12 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

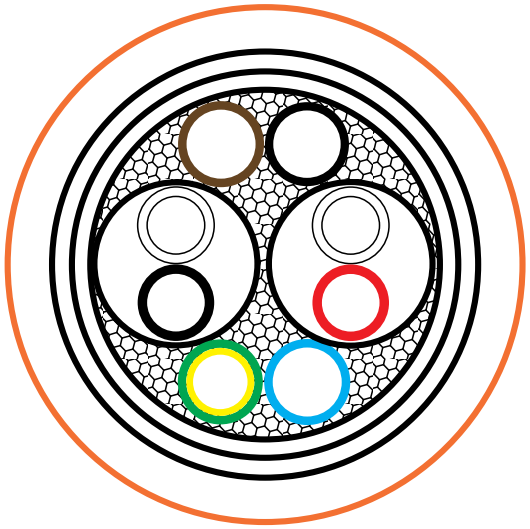
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Continuous-flex

Rockwell Part Number	
2090-CPBM4DF-16AFxx	
co-fly Part Number	Threaded Din Description
KYF-P28124-Mxx	Continuous-flex, motor power cable with brake, 16AWG, M23, threaded DIN, flying-leads
Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56349	4/C, 16AWG, 2PR 18AWG Shielded 105°C, 600V, AWM Style



Nominal O.D.	0.55" (13.9mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	5M Cycles @ 15 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

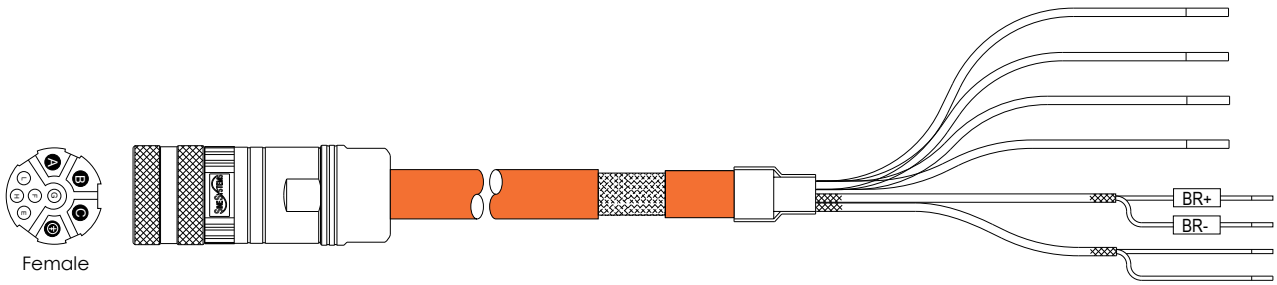
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Continuous-flex

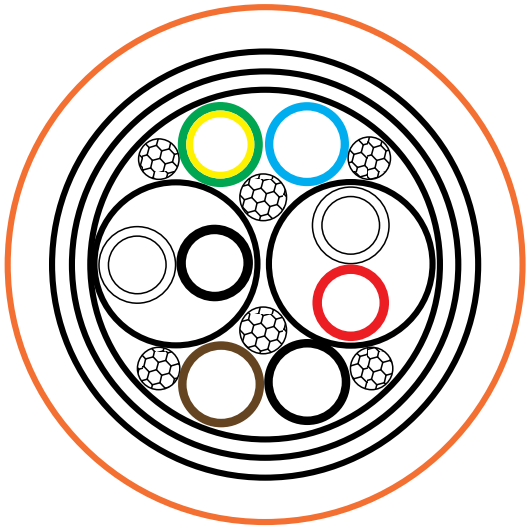
Rockwell Part Number
2090-CPBM4DF-14AFxx

co-fly Part Number	Threaded Din Description
KYF-P28125-Mxx	Continuous-flex, motor power cable with brake, 14AWG, M23, threaded DIN, flying-leads

Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56351	4/C, 14AWG, 2PR 18AWG Shielded 105°C, 600V, AWM Style



Nominal O.D.	0.61" (15.5mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 12 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

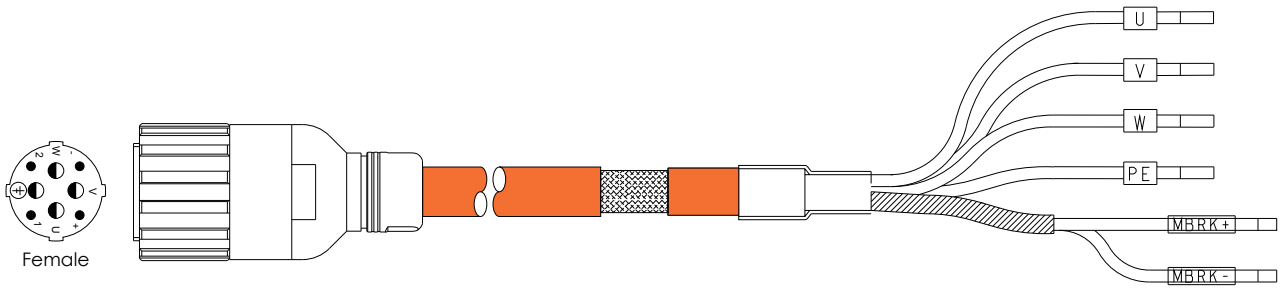
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Non-flex

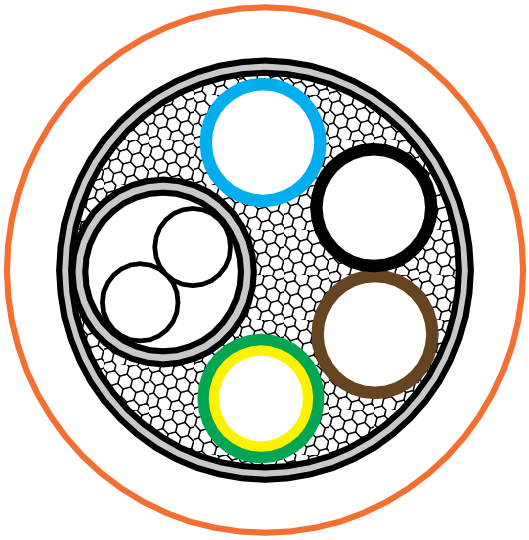
Rockwell Part Number
2090-CPBM7DF-10AAxx

co-fly Part Number	Threaded Din Description
KYF-P30155-Mxx	Non-flex, motor power with brake cable, 10AWG, M40, threaded DIN, flying leads

Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56580	4/C, 10AWG, 1PR, Shielded, 18AWG+ Braided Shield, 90°C, 600V, TYPE TC-ER



Nominal O.D.	0.66" (16.8mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

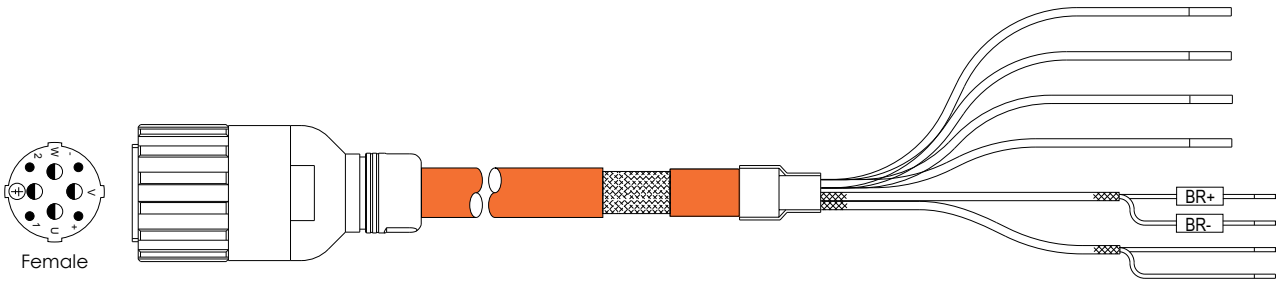
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Continuous-flex

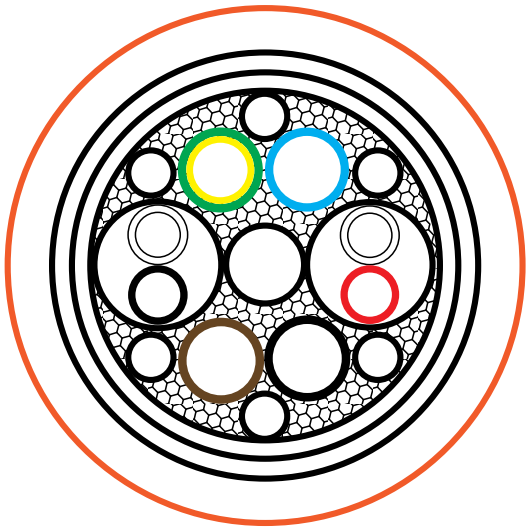
Rockwell Part Number
2090-CPBM4DF-10AFxx

CO-FLY Part Number	Threaded Din Description
KYF-P29366-Mxx	Continuous-flex, motor power cable with brake, 10AWG, M40, threaded DIN, flying-leads

Cable Configuration	
Motor/Actuator End	Drive End



CO-FLY Part Number	Bulk Cable Description
KYF-KA-56352	4/C, 10AWG, 2PR, 18AWG Shielded, 105°C, 600V, AWM Style



Nominal O.D.	0.75" (19.0mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	10M Cycles @ 12 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

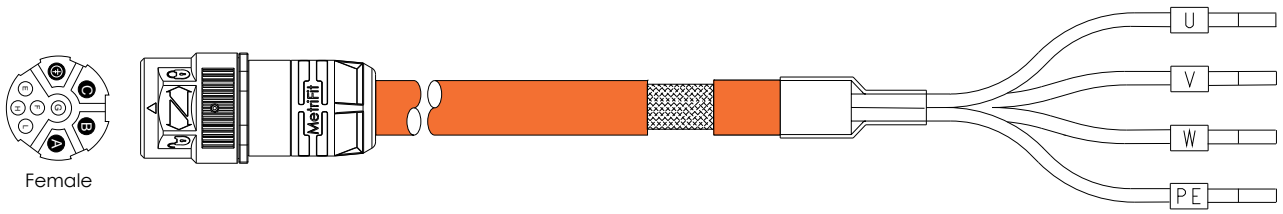
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power, Non-flex

Rockwell Part Number
2090-CPWM7DF-16AAxx

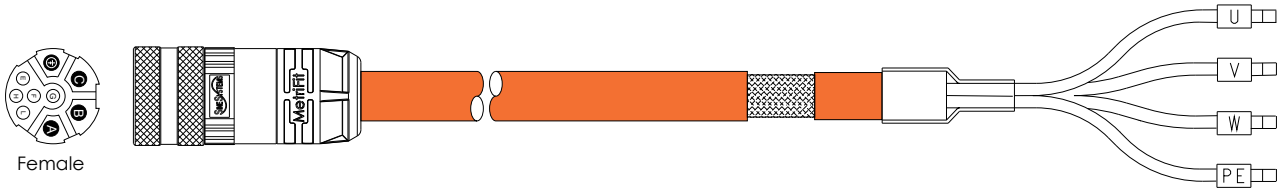
CO-FLY Part Number	Checkmate™ Description
KYF-CMP30636-Mxx	Non-flex, motor power cable, 16AWG, M23, Checkmate™, flying leads

Cable Configuration	
Motor/Actuator End	Drive End

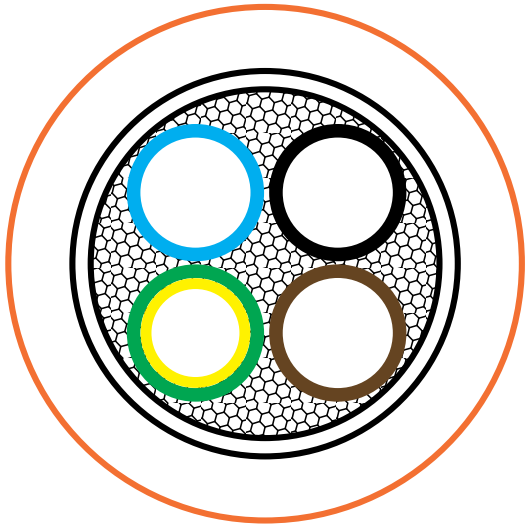


CO-FLY Part Number	Threaded Din Description
KYF-P30636-Mxx	Non-flex, motor power cable, 16AWG, M23, threaded DIN, flying leads

Cable Configuration	
Motor/Actuator End	Drive End



CO-FLY Part Number	Bulk Cable Description
KYF-KA-50960-ORG	4/C, 16AWG, Shielded, 90°C 600V, TYPE TC-ER



Nominal O.D.	0.36" (9.2mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power, Continuous-flex

Rockwell Part Number	
2090-CPWM7DF-16AFxx	
CO-FLY Part Number	Checkmate™ Description
KYF-CMP30332-Mxx	Continuous-flex, motor power cable, 16AWG, M23, Checkmate™, flying-leads
Cable Configuration	
Motor/Actuator End	Drive End



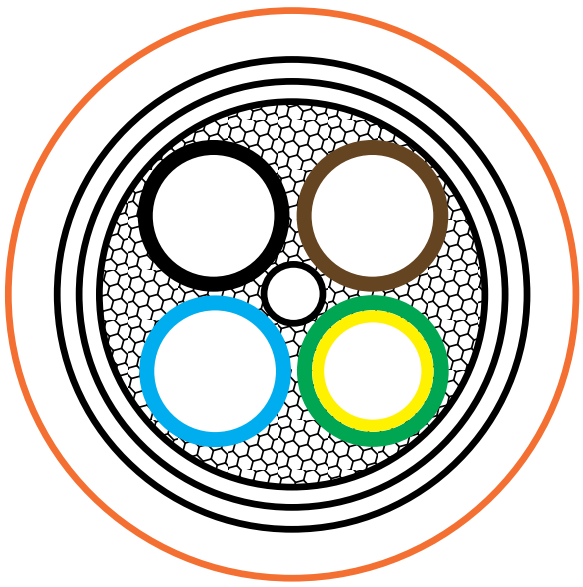
Female

Rockwell Part Number	
2090-CPWM4DF-16AFxx	
CO-FLY Part Number	Checkmate™ Description
KYF-P30332-Mxx	Continuous-flex, motor power cable, 16AWG, M23, threaded DIN, flying-leads
Cable Configuration	
Motor/Actuator End	Drive End



Female

co-ly Part Number	Bulk Cable Description
KYF-KA-56313-ORG	4/C, 16AWG Shielded 105°C, 600V, AWM Style



Nominal O.D.	0.46" (11.8mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	ELEXAR 8730
Flex Life	10M Cycles @ 10 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

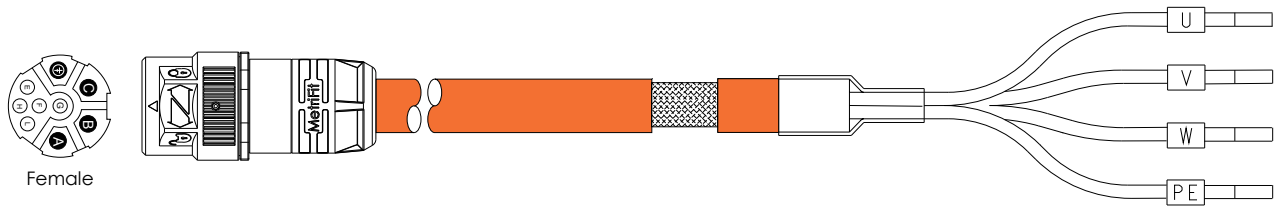
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power, Non-flex

Rockwell Part Number
2090-CPWM7DF-14AAxx

co-fly Part Number	Checkmate™ Description
KYF-CMP30637-Mxx	Non-flex, motor power cable, 14AWG, M23, Checkmate™, flying leads

Cable Configuration	
Motor/Actuator End	Drive End

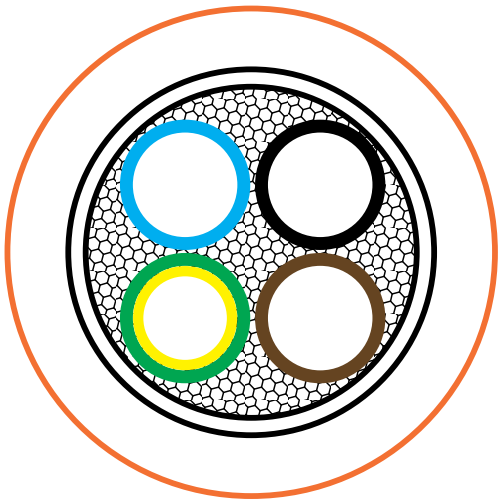


co-fly Part Number	Threaded Din Description
KYF-P30637-Mxx	Non-flex, motor power cable, 14AWG, M23, threaded DIN, flying leads

Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-50961-ORG	4/C, 14AWG, Shielded, 90°C 600V, TYPE TC-ER



Nominal O.D.	0.40" (10.2mm)
Jacket Color	Orange DESINA RAL 2003
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power, Continuous-flex

Rockwell Part Number	
2090-CPWM7DF-14AFxx	
co-fly Part Number	Checkmate™ Description
KYF-CMP29972-Mxx	Continuous-flex, motor power cable, 14AWG, M23, Checkmate™, flying-leads
Cable Configuration	
Motor/Actuator End	Drive End



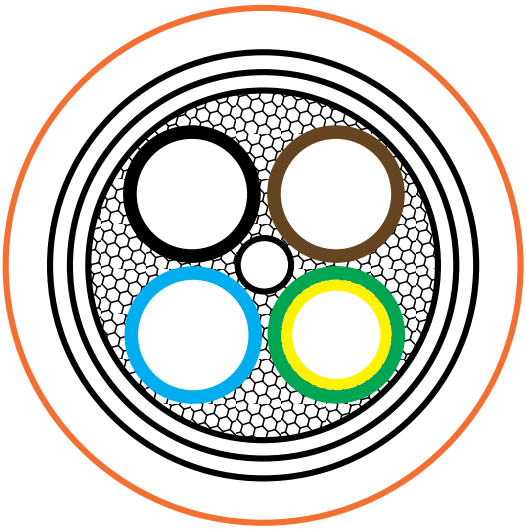
Female

Rockwell Part Number	
2090-CPWM4DF-14AFxx	
co-fly Part Number	Threaded Din Description
KYF-P29972-Mxx	Continuous-flex, motor power cable, 14AWG, M23, threaded DIN, flying-leads
Cable Configuration	
Motor/Actuator End	Drive End



Female

co-fly Part Number	Bulk Cable Description
KYF-KA-56314-ORG	4/C, 14AWG Shielded, 105°C 600V, UL AWM Style CSA AWM FT2 CE ROHS



Nominal O.D.	0.49" (12.7mm)
Jacket Color	Orange
Jacket Material	ELEXAR 8730
Flex Life	10M Cycles @ 10 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

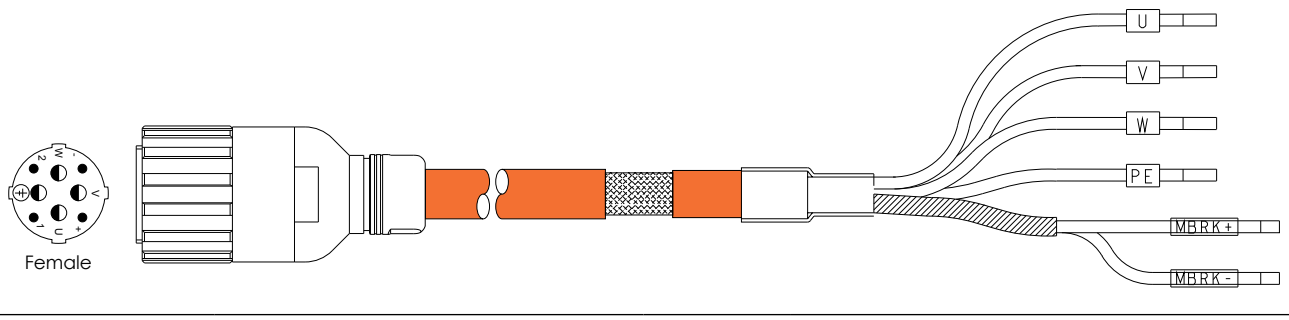
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Continuous-flex

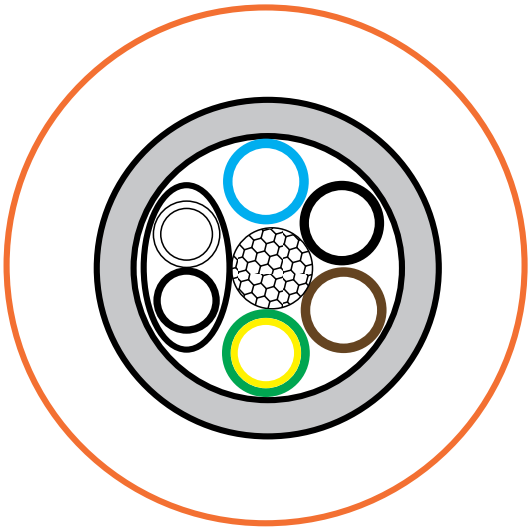
Rockwell Part Number
2090-CPBM7DF-10AFxx

co-fly Part Number	Threaded Din Description
KYF-P30162-Mxx	Continuous-flex, motor power with brake cable, 10AWG, M40, threaded DIN, flying-leads

Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56595	4/C, 10AWG, 1PR, Shielded, 18AWG+ Overall Shield, 90°C, 600V, UL TYPE TC-ER



Nominal O.D.	0.66" (16.8mm)
Jacket Color	Orange
Jacket Material	ELEXAR 8730
Flex Life	10M Cycles @ 12 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

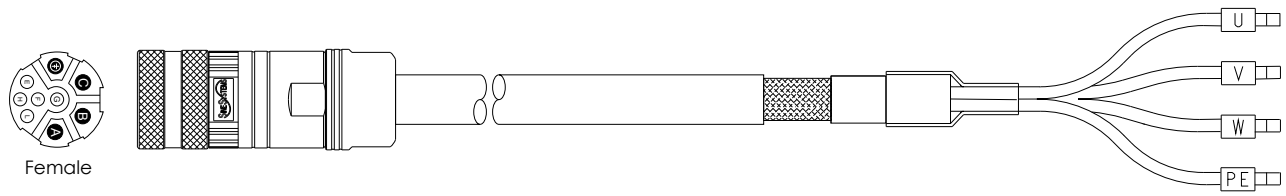
RoHS

Motor Power with Brake, Continuous-flex

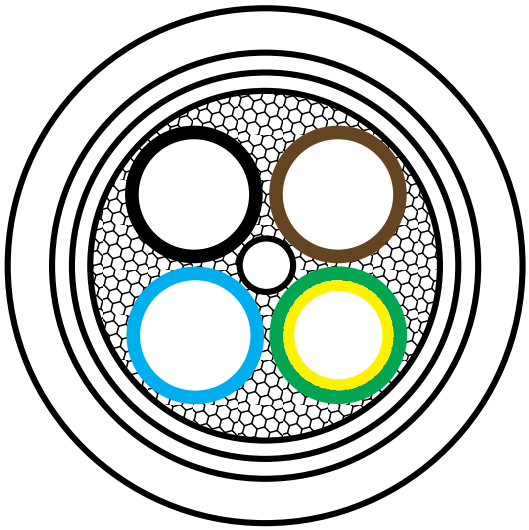
Rockwell Part Number
2090-CPWM4DF-16AFxx

co-fly Part Number	Threaded Din Description
KYF-P29726-Mxx	Continuous-flex, motor power cable, 16AWG, M23, threaded DIN, flying-leads

Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56313	4/C, 16AWG Shielded 105°C, 600V, AWM Style



Nominal O.D.	0.46" (11.8mm)
Jacket Color	Black
Jacket Material	PVC
Flex Life	10M Cycles @ 10 X O.D.
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

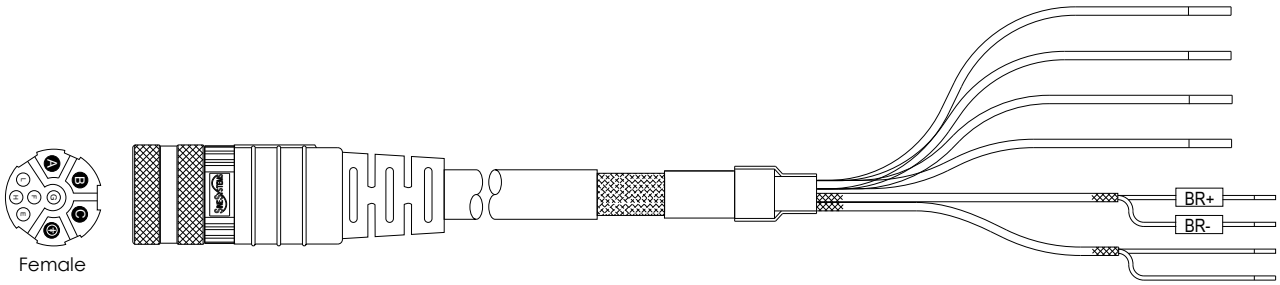
Motor Power with Brake, Non-flex

Rockwell Part Number
2090-XXNPMF-16Sxx

co-fly Part Number	Threaded Din Description
KYF-P29167-Mxx	Non-flex, motor power cable with brake, 16AWG, M23, threaded DIN, flying-leads

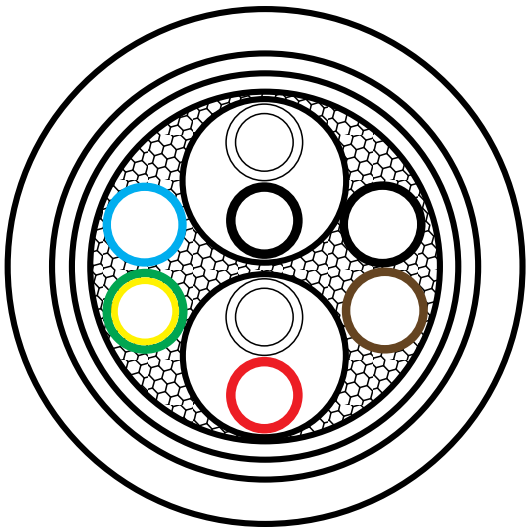
Cable Configuration

Motor/Actuator End	Drive End



Female

co-fly Part Number	Bulk Cable Description
KYF-KA-56338	4/C, 16AWG 2PR, Shielded 18AWG Pairs, Overall Shielded 90°C, 600V, TYPE TC-ER



Nominal O.D.	0.60" (15.2mm)
Jacket Color	Black
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

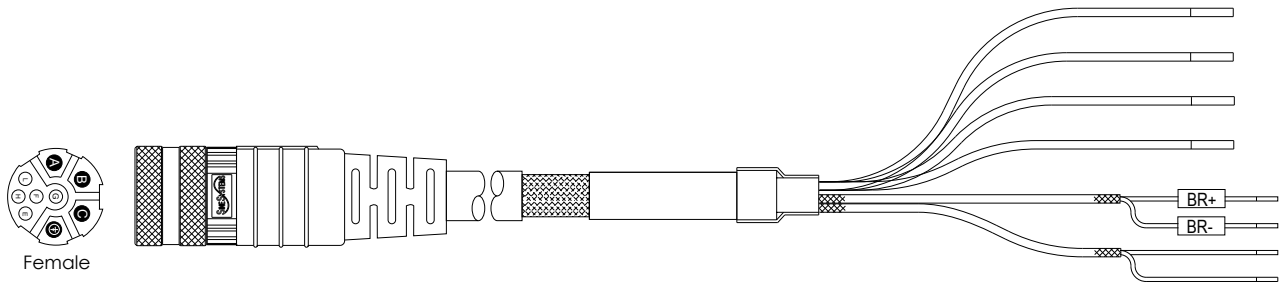
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Non-flex

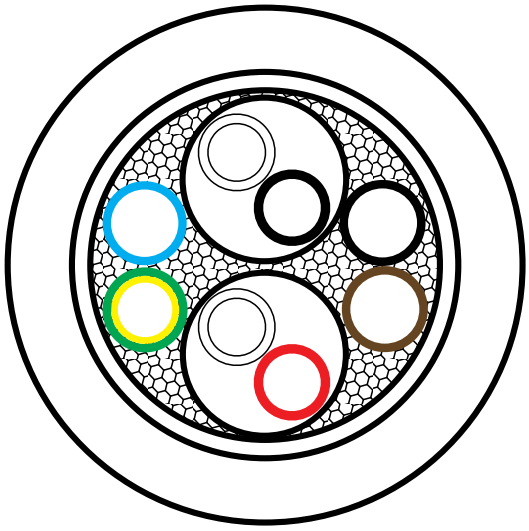
Rockwell Part Number
2090-XXNPMF-14Sxx

co--fly Part Number	Threaded Din Description
KYF-P29168-Mxx	Non-flex, motor power cable with brake, 14AWG, M23, threaded DIN, flying-leads

Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56339	4/C, 14AWG, 2PR, Shielded, 18AWG Pairs Overall Shielded, 90°C, 600V, TYPE TC-ER



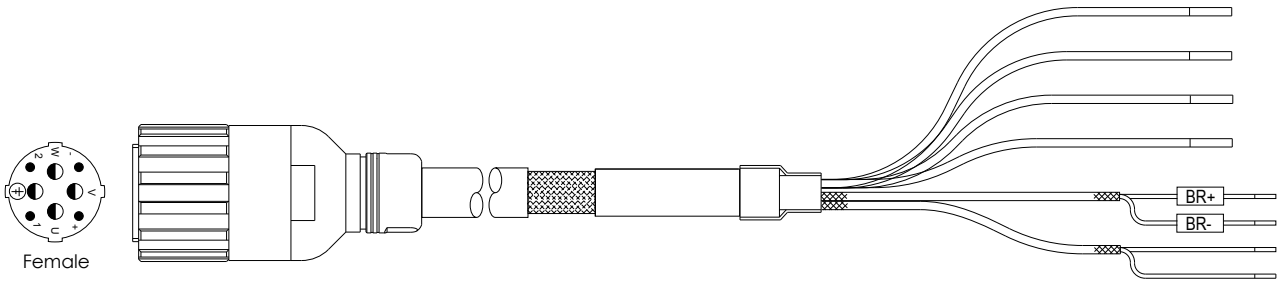
Nominal O.D.	0.62" (15.7mm)
Jacket Color	Black
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS

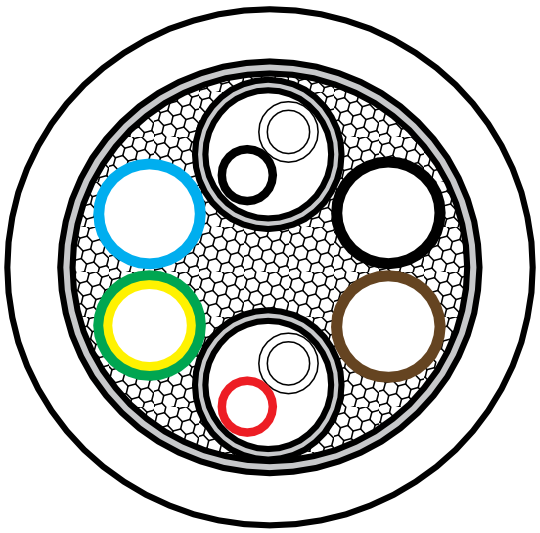
Note: Motor receptacle o-ring required when using threaded DIN connectors. O-ring must be removed, if present, when using Checkmate™ Quick-Locking connectors.

Motor Power with Brake, Non-flex

Rockwell Part Number	
2090-XNPMF-10Sxx	
co-fly Part Number	Threaded Din Description
KYF-P29169-Mxx	Non-flex, motor power cable with brake, 10AWG, M40, threaded DIN, flying-leads
Cable Configuration	
Motor/Actuator End	Drive End



co-fly Part Number	Bulk Cable Description
KYF-KA-56340	4/C, 10AWG, 2PR, Shielded, 18AWG Pairs Overall Shielded, 90°C, 600V, TYPE TC-ER



Nominal O.D.	0.72" (18.2mm)
Jacket Color	Black
Jacket Material	Pressure Extruded Flexible Thermoplastic Elastomer (TPE)
Flex Life	Non-flex
Shielding	Shield Tinned Copper Braid - Coverage ≥ 85%

RoHS