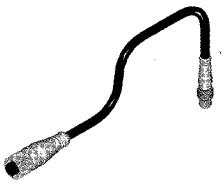
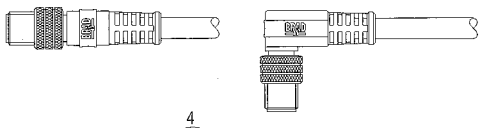
Nano-Change® (M8) Jumper Cables



Female Connector

M8 3 Pole – Single I/O Multi-Port

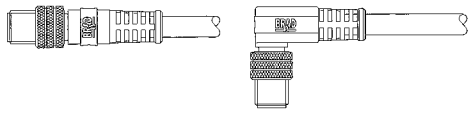




1 Brown
3 Blue
4 Black

WIRING CONFIGURATION

M8 4 Pole – Twin I/O Multi-Port





1 Brown 3 Blue
2 White 4 Black

WIRING CONFIGURATION

Cable	Length (m)				
Nano-Change® (M8) Straight					
PVC	0.6	443030E03M006	443032E03M006	443430E03M006	443432E03M006
	1.0	443030E03M010	443032E03M010	443430E03M010	443432E03M010
	2.0	443030E03M020	443032E03M020	443430E03M020	443432E03M020
	3.0	443030E03M030	443032E03M030	443430E03M030	443432E03M030
PUR	0.6	443030P03M006	443032P03M006	443430P03M006	443432P03M006
	1.0	443030P03M010	443032P03M010	443430P03M010	443432P03M010
	2.0	443030P03M020	443032P03M020	443430P03M020	443432P03M020
	3.0	443030P03M030	443032P03M030	443430P03M030	443432P03M030
Nano-Change® (M8) 90°					
PVC	0.6	443031E03M006	443033E03M006	443431E03M006	443433E03M006
	1.0	443031E03M010	443033E03M010	443431E03M010	443433E03M010
	2.0	443031E03M020	443033E03M020	443431E03M020	443433E03M020
	3.0	443031E03M030	443033E03M030	443431E03M030	443433E03M030
PUR	0.6	443031P03M006	443033P03M006	443431P03M006	443433P03M006
	1.0	443031P03M010	443033P03M010	443431P03M010	443433P03M010
	2.0	443031P03M020	443033P03M020	443431P03M020	443433P03M020
	3.0	443031P03M030	443033P03M030	443431P03M030	443433P03M030
Nano-Change® (M8) 90° PNP LED					
PVC	0.6	4430P7E03M006	4430P9E03M006	4434P7E03M006	4434P9E03M006
	1.0	4430P7E03M010	4430P9E03M010	4434P7E03M010	4434P9E03M010
	2.0	4430P7E03M020	4430P9E03M020	4434P7E03M020	4434P9E03M020
	3.0	4430P7E03M030	4430P9E03M030	4434P7E03M030	4434P9E03M030
PUR	0.6	4430P7P03M006	4430P9P03M006	4434P7P03M006	4434P9P03M006
	1.0	4430P7P03M010	4430P9P03M010	4434P7P03M010	4434P9P03M010
	2.0	4430P7P03M020	4430P9P03M020	4434P7P03M020	4434P9P03M020
	3.0	4430P7P03M030	4430P9P03M030	4434P7P03M030	4434P9P03M030
Nano-Change® (M8) Straight					
PVC	0.6	444330E03M006	444332E03M006	444030E03M006	444032E03M006
	1.0	444330E03M010	444332E03M010	444030E03M010	444032E03M010
	2.0	444330E03M020	444332E03M020	444030E03M020	444032E03M020
	3.0	444330E03M030	444332E03M030	444030E03M030	444032E03M030
PUR	0.6	444330P03M006	444332P03M006	444030P03M006	444032P03M006
	1.0	444330P03M010	444332P03M010	444030P03M010	444032P03M010
	2.0	444330P03M020	444332P03M020	444030P03M020	444032P03M020
	3.0	444330P03M030	444332P03M030	444030P03M030	444032P03M030
Nano-Change® (M8) 90°					
PVC	0.6	444331E03M006	444333E03M006	444031E03M006	444033E03M006
	1.0	444331E03M010	444333E03M010	444031E03M010	444033E03M010
	2.0	444331E03M020	444333E03M020	444031E03M020	444033E03M020
	3.0	444331E03M030	444333E03M030	444031E03M030	444033E03M030
PUR	0.6	444331P03M006	444333P03M006	444031P03M006	444033P03M006
	1.0	444331P03M010	444333P03M010	444031P03M010	444033P03M010
	2.0	444331P03M020	444333P03M020	444031P03M020	444033P03M020
	3.0	444331P03M030	444333P03M030	444031P03M030	444033P03M030

Pin No. Wire
1 Brown
3 Blue
4 Black

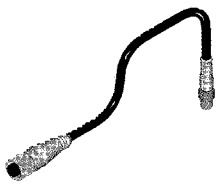
1 Brown
3 Blue
4 Black

1 Brown
2 White
3 Blue
4 Black

1 Brown
2 White
3 Blue
4 Black

Options: NPN format LED indication, choice of cables, see page 40 for more information

Nano-Change® (M8) Jumper Cables

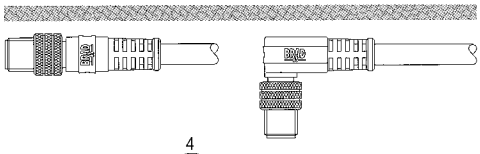


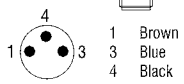
Female Connector

Cable

Length (m)

M8 3 Pole – Single I/O Multi-Port

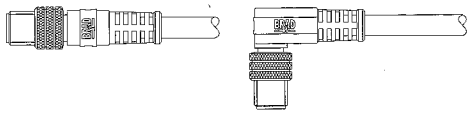


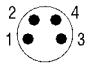


1 Brown
3 Blue
4 Black

WIRING CONFIGURATION

M8 4 Pole – Twin I/O Multi-Port

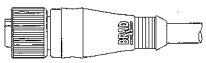




1 Brown 3 Blue
2 White 4 Black

WIRING CONFIGURATION

Micro-Change® (M12) Straight

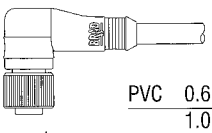


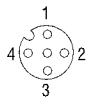


1 Brown
2 White*
3 Blue
4 Black

PVC	0.6	843030E03M006	843032E03M006	844030E03M006	844032E03M006
	1.0	843030E03M010	843032E03M010	844030E03M010	844032E03M010
	2.0	843030E03M020	843032E03M020	844030E03M020	844032E03M020
	3.0	843030E03M030	843032E03M030	844030E03M030	844032E03M030
PUR	0.6	843030P03M006	843032P03M006	844030P03M006	844032P03M006
	1.0	843030P03M010	843032P03M010	844030P03M010	844032P03M010
	2.0	843030P03M020	843032P03M020	844030P03M020	844032P03M020
	3.0	843030P03M030	843032P03M030	844030P03M030	844032P03M030

Micro-Change® (M12) 90º

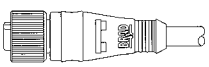


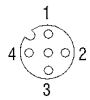


1 Brown
2 White*
3 Blue
4 Black

PVC	0.6	843031E03M006	843033E03M006	844031E03M006	844033E03M006
	1.0	843031E03M010	843033E03M010	844031E03M010	844033E03M010
	2.0	843031E03M020	843033E03M020	844031E03M020	844033E03M020
	3.0	843031E03M030	843033E03M030	844031E03M030	844033E03M030
PUR	0.6	843031P03M006	843033P03M006	844031P03M006	844033P03M006
	1.0	843031P03M010	843033P03M010	844031P03M010	844033P03M010
	2.0	843031P03M020	843033P03M020	844031P03M020	844033P03M020
	3.0	843031P03M030	843033P03M030	844031P03M030	844033P03M030

Micro-Change® (M12) PNP LED

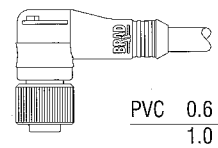


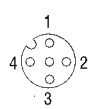


1 Brown
2 White*
3 Blue
4 Black

PVC	0.6	8430P6E03M006	8430P8E03M006	8440P6E03M006	8440P8E03M006
	1.0	8430P6E03M010	8430P8E03M010	8440P6E03M010	8440P8E03M010
	2.0	8430P6E03M020	8430P8E03M020	8440P6E03M020	8440P8E03M020
	3.0	8430P6E03M030	8430P8E03M030	8440P6E03M030	8440P8E03M030
PUR	0.6	8430P6P03M006	8430P8P03M006	8440P6P03M006	8440P8P03M006
	1.0	8430P6P03M010	8430P8P03M010	8440P6P03M010	8440P8P03M010
	2.0	8430P6P03M020	8430P8P03M020	8440P6P03M020	8440P8P03M020
	3.0	8430P6P03M030	8430P8P03M030	8440P6P03M030	8440P8P03M030

Micro-Change® (M12) 90º PNP LED





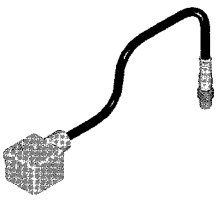
1 Brown
2 White*
3 Blue
4 Black

PVC	0.6	8430P7E03M006	8430P9E03M006	8440P7E03M006	8440P9E03M006
	1.0	8430P7E03M010	8430P9E03M010	8440P7E03M010	8440P9E03M010
	2.0	8430P7E03M020	8430P9E03M020	8440P7E03M020	8440P9E03M020
	3.0	8430P7E03M030	8430P9E03M030	8440P7E03M030	8440P9E03M030
PUR	0.6	8430P7P03M006	8430P9P03M006	8440P7P03M006	8440P9P03M006
	1.0	8430P7P03M010	8430P9P03M010	8440P7P03M010	8440P9P03M010
	2.0	8430P7P03M020	8430P9P03M020	8440P7P03M020	8440P9P03M020
	3.0	8430P7P03M030	8430P9P03M030	8440P7P03M030	8440P9P03M030

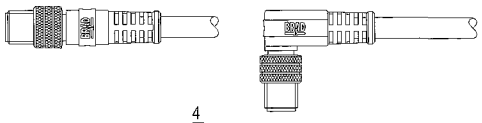
* White not used on single I/O connectors

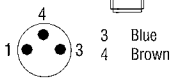
Options: NPN format LED indication, choice of cables, see page 40 for more information

Nano-Change® (M8) Jumper Cables

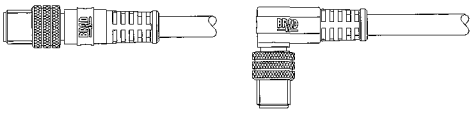


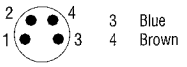
M8 3 Pole – Single I/O Multi-Port





M8 4 Pole – Twin I/O Multi-Port



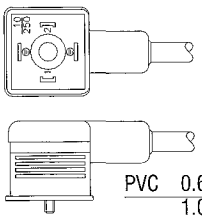


Female Connector

Cable

Length (m)

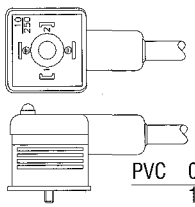
Form A (18mm) 2 pole + earth



1 Brown
2 Blue
3 Yellow/Green*

Cable	Length (m)	M8 3 Pole – Single I/O Multi-Port		M8 4 Pole – Twin I/O Multi-Port	
PVC	0.6	E43000E12M006	E43002E12M006	E44000E12M006	E44002E12M006
	1.0	E43000E12M010	E43002E12M010	E44000E12M010	E44002E12M010
	2.0	E43000E12M020	E43002E12M020	E44000E12M020	E44002E12M020
	3.0	E43000E12M030	E43002E12M030	E44000E12M030	E44002E12M030
PUR	0.6	E43000P12M006	E43002P12M006	E44000P12M006	E44002P12M006
	1.0	E43000P12M010	E43002P12M010	E44000P12M010	E44002P12M010
	2.0	E43000P12M020	E43002P12M020	E44000P12M020	E44002P12M020
	3.0	E43000P12M030	E43002P12M030	E44000P12M030	E44002P12M030

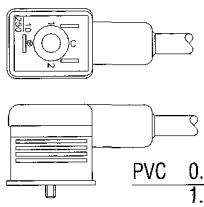
Form A (18mm) 2 pole + earth – 24 V LED & VDR



1 Brown
2 Blue
3 Yellow/Green*

Cable	Length (m)	M8 3 Pole – Single I/O Multi-Port		M8 4 Pole – Twin I/O Multi-Port	
PVC	0.6	E430B0E12M006	E430B2E12M006	E440B0E12M006	E440B2E12M006
	1.0	E430B0E12M010	E430B2E12M010	E440B0E12M010	E440B2E12M010
	2.0	E430B0E12M020	E430B2E12M020	E440B0E12M020	E440B2E12M020
	3.0	E430B0E12M030	E430B2E12M030	E440B0E12M030	E440B2E12M030
PUR	0.6	E430B0P12M006	E430B2P12M006	E440B0P12M006	E440B2P12M006
	1.0	E430B0P12M010	E430B2P12M010	E440B0P12M010	E440B2P12M010
	2.0	E430B0P12M020	E430B2P12M020	E440B0P12M020	E440B2P12M020
	3.0	E430B0P12M030	E430B2P12M030	E440B0P12M030	E440B2P12M030

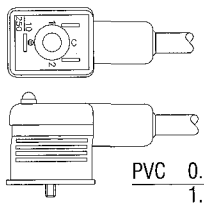
Form B (11mm) 2 pole + 12 o'clock earth



1 Brown
2 Blue
3 Yellow/Green*

Cable	Length (m)	M8 3 Pole – Single I/O Multi-Port		M8 4 Pole – Twin I/O Multi-Port	
PVC	0.6	F43001E12M006	F43003E12M006	F44001E12M006	F44003E12M006
	1.0	F43001E12M010	F43003E12M010	F44001E12M010	F44003E12M010
	2.0	F43001E12M020	F43003E12M020	F44001E12M020	F44003E12M020
	3.0	F43001E12M030	F43003E12M030	F44001E12M030	F44003E12M030
PUR	0.6	F43001P12M006	F43003P12M006	F44001P12M006	F44003P12M006
	1.0	F43001P12M010	F43003P12M010	F44001P12M010	F44003P12M010
	2.0	F43001P12M020	F43003P12M020	F44001P12M020	F44003P12M020
	3.0	F43001P12M030	F43003P12M030	F44001P12M030	F44003P12M030

Form B (11mm) 2 pole + 12 o'clock earth – 24 V LED & VDR



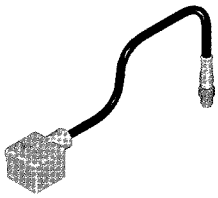
1 Brown
2 Blue
3 Yellow/Green*

* Yellow/Green not connected

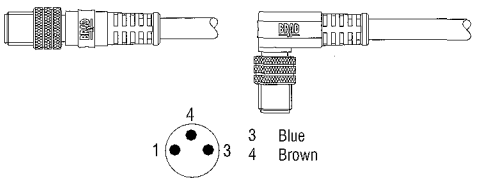
Cable	Length (m)	M8 3 Pole – Single I/O Multi-Port		M8 4 Pole – Twin I/O Multi-Port	
PVC	0.6	F430B1E12M006	F430B3E12M006	F440B1E12M006	F440B3E12M006
	1.0	F430B1E12M010	F430B3E12M010	F440B1E12M010	F440B3E12M010
	2.0	F430B1E12M020	F430B3E12M020	F440B1E12M020	F440B3E12M020
	3.0	F430B1E12M030	F430B3E12M030	F440B1E12M030	F440B3E12M030
PUR	0.6	F430B1P12M006	F430B3P12M006	F440B1P12M006	F440B3P12M006
	1.0	F430B1P12M010	F430B3P12M010	F440B1P12M010	F440B3P12M010
	2.0	F430B1P12M020	F430B3P12M020	F440B1P12M020	F440B3P12M020
	3.0	F430B1P12M030	F430B3P12M030	F440B1P12M030	F440B3P12M030

Options: Alternative types of suppression, choice of cables, see page 40 for more information

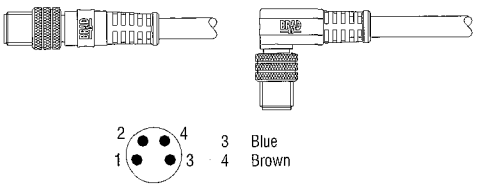
Nano-Change® (M8) Jumper Cables



M8 3 Pole – Single I/O Multi-Port



M8 4 Pole – Twin I/O Multi-Port

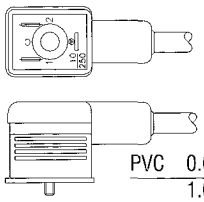


Female Connector

Cable

Length (m)

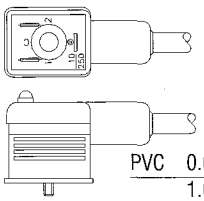
Form B (11mm) 2 pole + 6 o'clock earth



1 Brown
2 Blue
3 Yellow/Green*

Cable	Length (m)				
PVC	0.6	F43000E12M006	F43002E12M006	F44000E12M006	F44002E12M006
	1.0	F43000E12M010	F43002E12M010	F44000E12M010	F44002E12M010
	2.0	F43000E12M020	F43002E12M020	F44000E12M020	F44002E12M020
	3.0	F43000E12M030	F43002E12M030	F44000E12M030	F44002E12M030
PUR	0.6	F43000P12M006	F43002P12M006	F44000P12M006	F44002P12M006
	1.0	F43000P12M010	F43002P12M010	F44000P12M010	F44002P12M010
	2.0	F43000P12M020	F43002P12M020	F44000P12M020	F44002P12M020
	3.0	F43000P12M030	F43002P12M030	F44000P12M030	F44002P12M030

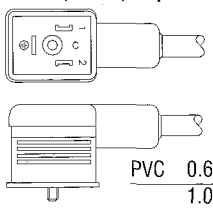
Form B (11mm) 2 pole + 6 o'clock earth – 24 V LED & VDR



1 Brown
2 Blue
3 Yellow/Green*

Cable	Length (m)				
PVC	0.6	F430B0E12M006	F430B2E12M006	F440B0E12M006	F440B2E12M006
	1.0	F430B0E12M010	F430B2E12M010	F440B0E12M010	F440B2E12M010
	2.0	F430B0E12M020	F430B2E12M020	F440B0E12M020	F440B2E12M020
	3.0	F430B0E12M030	F430B2E12M030	F440B0E12M030	F440B2E12M030
PUR	0.6	F430B0P12M006	F430B2P12M006	F440B0P12M006	F440B2P12M006
	1.0	F430B0P12M010	F430B2P12M010	F440B0P12M010	F440B2P12M010
	2.0	F430B0P12M020	F430B2P12M020	F440B0P12M020	F440B2P12M020
	3.0	F430B0P12M030	F430B2P12M030	F440B0P12M030	F440B2P12M030

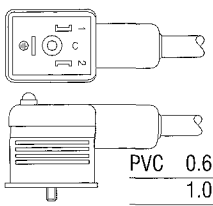
Form B (10mm) 2 pole + 12 o'clock earth



1 Brown
2 Blue
3 Yellow/Green*

Cable	Length (m)				
PVC	0.6	D43001E12M006	D43003E12M006	D44001E12M006	D44003E12M006
	1.0	D43001E12M010	D43003E12M010	D44001E12M010	D44003E12M010
	2.0	D43001E12M020	D43003E12M020	D44001E12M020	D44003E12M020
	3.0	D43001E12M030	D43003E12M030	D44001E12M030	D44003E12M030
PUR	0.6	D43001P12M006	D43003P12M006	D44001P12M006	D44003P12M006
	1.0	D43001P12M010	D43003P12M010	D44001P12M010	D44003P12M010
	2.0	D43001P12M020	D43003P12M020	D44001P12M020	D44003P12M020
	3.0	D43001P12M030	D43003P12M030	D44001P12M030	D44003P12M030

Form B (10mm) 2 pole + 12 o'clock earth – 24 V LED & VDR



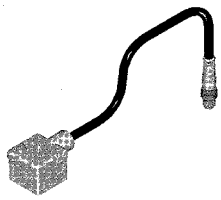
1 Brown
2 Blue
3 Yellow/Green*

* Yellow/Green not connected

Cable	Length (m)				
PVC	0.6	D430B1E12M006	D430B3E12M006	D440B1E12M006	D440B3E12M006
	1.0	D430B1E12M010	D430B3E12M010	D440B1E12M010	D440B3E12M010
	2.0	D430B1E12M020	D430B3E12M020	D440B1E12M020	D440B3E12M020
	3.0	D430B1E12M030	D430B3E12M030	D440B1E12M030	D440B3E12M030
PUR	0.6	D430B1P12M006	D430B3P12M006	D440B1P12M006	D440B3P12M006
	1.0	D430B1P12M010	D430B3P12M010	D440B1P12M010	D440B3P12M010
	2.0	D430B1P12M020	D430B3P12M020	D440B1P12M020	D440B3P12M020
	3.0	D430B1P12M030	D430B3P12M030	D440B1P12M030	D440B3P12M030

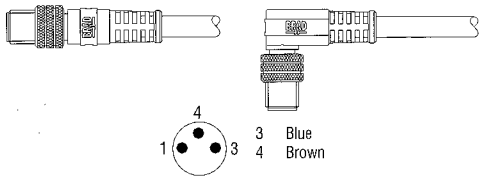
Options: Alternative types of suppression, choice of cables, see page 40 for more information

Nano-Change® (M8) Jumper Cables

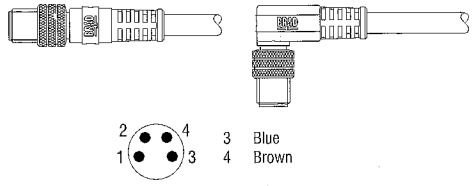


Female Connector

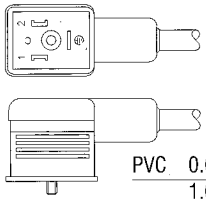
M8 3 Pole – Single I/O Multi-Port



M8 4 Pole – Twin I/O Multi-Port



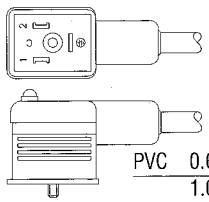
Form B (10mm) 2 pole + 6 o'clock earth



1 Brown
2 Blue
3 Yellow/Green*

Cable	Length (m)				
PVC	0.6	D43000E12M006	D43002E12M006	D44000E12M006	D44002E12M006
	1.0	D43000E12M010	D43002E12M010	D44000E12M010	D44002E12M010
	2.0	D43000E12M020	D43002E12M020	D44000E12M020	D44002E12M020
	3.0	D43000E12M030	D43002E12M030	D44000E12M030	D44002E12M030
PUR	0.6	D43000P12M006	D43002P12M006	D44000P12M006	D44002P12M006
	1.0	D43000P12M010	D43002P12M010	D44000P12M010	D44002P12M010
	2.0	D43000P12M020	D43002P12M020	D44000P12M020	D44002P12M020
	3.0	D43000P12M030	D43002P12M030	D44000P12M030	D44002P12M030

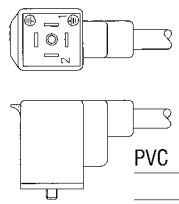
Form B (10mm) 2 pole + 6 o'clock earth – 24 V LED & VDR



1 Brown
2 Blue
3 Yellow/Green*

Cable	Length (m)				
PVC	0.6	D430B0E12M006	D430B2E12M006	D440B0E12M006	D440B2E12M006
	1.0	D430B0E12M010	D430B2E12M010	D440B0E12M010	D440B2E12M010
	2.0	D430B0E12M020	D430B2E12M020	D440B0E12M020	D440B2E12M020
	3.0	D430B0E12M030	D430B2E12M030	D440B0E12M030	D440B2E12M030
PUR	0.6	D430B0P12M006	D430B2P12M006	D440B0P12M006	D440B2P12M006
	1.0	D430B0P12M010	D430B2P12M010	D440B0P12M010	D440B2P12M010
	2.0	D430B0P12M020	D430B2P12M020	D440B0P12M020	D440B2P12M020
	3.0	D430B0P12M030	D430B2P12M030	D440B0P12M030	D440B2P12M030

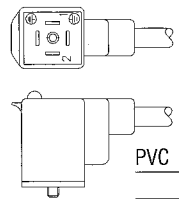
Form C (8mm) 2 pole + earth



1 Brown
2 Blue
3 Yellow/Green*

Cable	Length (m)				
PVC	0.6	H43000E12M006	H43002E12M006	H44000E12M006	H44002E12M006
	1.0	H43000E12M010	H43002E12M010	H44000E12M010	H44002E12M010
	2.0	H43000E12M020	H43002E12M020	H44000E12M020	H44002E12M020
	3.0	H43000E12M030	H43002E12M030	H44000E12M030	H44002E12M030
PUR	0.6	H43000P12M006	H43002P12M006	H44000P12M006	H44002P12M006
	1.0	H43000P12M010	H43002P12M010	H44000P12M010	H44002P12M010
	2.0	H43000P12M020	H43002P12M020	H44000P12M020	H44002P12M020
	3.0	H43000P12M030	H43002P12M030	H44000P12M030	H44002P12M030

Form C (8mm) 2 pole + earth – 24 V LED & VDR



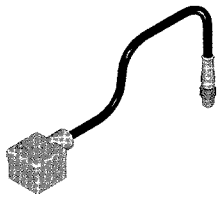
1 Brown
2 Blue
3 Yellow/Green*

* Yellow/Green not connected

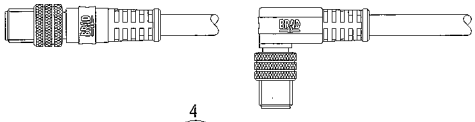
Cable	Length (m)				
PVC	0.6	H430B0E12M006	H430B2E12M006	H440B0E12M006	H440B2E12M006
	1.0	H430B0E12M010	H430B2E12M010	H440B0E12M010	H440B2E12M010
	2.0	H430B0E12M020	H430B2E12M020	H440B0E12M020	H440B2E12M020
	3.0	H430B0E12M030	H430B2E12M030	H440B0E12M030	H440B2E12M030
PUR	0.6	H430B0P12M006	H430B2P12M006	H440B0P12M006	H440B2P12M006
	1.0	H430B0P12M010	H430B2P12M010	H440B0P12M010	H440B2P12M010
	2.0	H430B0P12M020	H430B2P12M020	H440B0P12M020	H440B2P12M020
	3.0	H430B0P12M030	H430B2P12M030	H440B0P12M030	H440B2P12M030

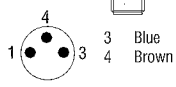
Options: Alternative types of suppression, choice of cables, see page 40 for more information

Nano-Change® (M8) Jumper Cables

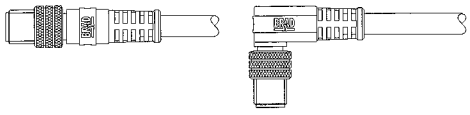


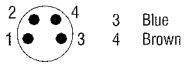
M8 3 Pole – Single I/O Multi-Port





M8 4 Pole – Twin I/O Multi-Port

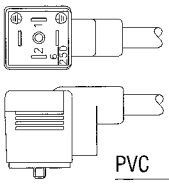




Female Connector

Cable Length (m)

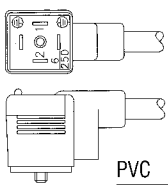
Form C (9.4mm) 2 pole + earth



1 Brown
2 Blue
3 Yellow/Green*

PVC	0.6	G43000E12M006	G43002E12M006	G44000E12M006	G44002E12M006
	1.0	G43000E12M010	G43002E12M010	G44000E12M010	G44002E12M010
	2.0	G43000E12M020	G43002E12M020	G44000E12M020	G44002E12M020
	3.0	G43000E12M030	G43002E12M030	G44000E12M030	G44002E12M030
PUR	0.6	G43000P12M006	G43002P12M006	G44000P12M006	G44002P12M006
	1.0	G43000P12M010	G43002P12M010	G44000P12M010	G44002P12M010
	2.0	G43000P12M020	G43002P12M020	G44000P12M020	G44002P12M020
	3.0	G43000P12M030	G43002P12M030	G44000P12M030	G44002P12M030

Form C (9.4mm) 2 pole + earth – 24 V LED & VDR



1 Brown
2 Blue
3 Yellow/Green*

* Yellow/Green not connected

PVC	0.6	G430B0E12M006	G430B2E12M006	G440B0E12M006	G440B2E12M006
	1.0	G430B0E12M010	G430B2E12M010	G440B0E12M010	G440B2E12M010
	2.0	G430B0E12M020	G430B2E12M020	G440B0E12M020	G440B2E12M020
	3.0	G430B0E12M030	G430B2E12M030	G440B0E12M030	G440B2E12M030
PUR	0.6	G430B0P12M006	G430B2P12M006	G440B0P12M006	G440B2P12M006
	1.0	G430B0P12M010	G430B2P12M010	G440B0P12M010	G440B2P12M010
	2.0	G430B0P12M020	G430B2P12M020	G440B0P12M020	G440B2P12M020
	3.0	G430B0P12M030	G430B2P12M030	G440B0P12M030	G440B2P12M030

Nano-Change (M8) Adapters and In-Line Splitters

M8 3 Pole – Single I/O Multi-Port



1 Brown 4 Black
3 Blue

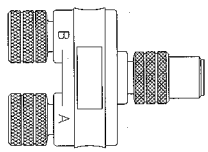
M8 4 Pole – Twin I/O Multi-Port



1 Brown 3 Blue
2 White 4 Black



1 Brown 3 Blue
2 Black B 4 Black A



444A30

Female Connector



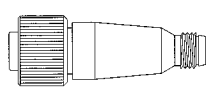
1 Brown 4 Black
3 Blue



1 Brown 3 Blue
2 White 4 Black



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Options: Alternative types of suppression, choice of cables, see page 40 for more information