

Marine and Offshore Electrical Services



18
YEARS
2001 - 2019

Simple Selection of
Essential Electrical
Equipment 2019


Flame Retardant Unarmoured
657TQ shipwiring cable to BS6883


Part No	Cores	Conductor Size	Colour/reference	OD
ME-16245	1	6.0sqmm (class2)	Green/yellow	7.5mm
ME-10254	1	16sqmm (class2)	Green/yellow	10.1mm
ME-10187	2	1.5sqmm (class2)	Black	8.6mm
ME-10083	2	2.5sqmm (class2)	Black	9.8mm
ME-10063	3	1.5sqmm (class2)	Black	9.3mm
ME-10006	3	2.5sqmm (class2)	Black	10.4mm
ME-10126	3	4.0sqmm (class2)	Black	12.7mm
ME-10008	3	6.0sqmm (class2)	Black	13.9mm
ME-10160	3	10sqmm (class2)	Black	17.2mm
ME-10007	3	16sqmm (class2)	Black	19.5mm

Conductors: Tinned annealed stranded copper
Insulation: EPR (Ethylene Propylene Rubber)
Conductor identification: White cores with black numbers
Sheath/Jacket: Low Smoke Zero Halogen (ZHAL),
Type: SW4 **Voltage:** 600/1000v
Operating temperature: Maximum 85°C, minimum bending -25°C

Standards:

BS6883: Shipboard cable,
Application: Fixed wiring in ships and on mobile and fixed offshore units


Fire Resistant Unarmoured
657MG-TQ shipwiring cable to BS6883, BS7917, IEC60332 and IEC60331


Part No	Cores	Conductor Size	Colour/reference	OD
ME-10084	2	1.5sqmm (class2)	Black	10.1mm
ME-10112	2	2.5sqmm (class2)	Black	10.9mm
ME-10100	3	1.5sqmm (class2)	Black	10.8mm
ME-10315	3	2.5sqmm (class2)	Black	11.6mm
ME-10015	3	6.0sqmm (class2)	Black	14.7mm
ME-10017	3	10sqmm (class2)	Black	16.7mm
ME-10021	3	16sqmm (class2)	Black	19.2mm

Conductors: Tinned annealed stranded copper
Insulation: MGT (Mica Glass Tape) with EPR (Ethylene Propylene Rubber), white insulation with black numbers **Sheath/Jacket:** Low Smoke Zero Halogen (ZHAL),
Type: SW4 **Colour:** Black **Voltage:** 600/1000v
Operating temperature: Maximum 85°C, minimum bending -25°C

Standards:

BS7917: fire resistant shipboard cable, **IEC60332-3-22:** flame retardancy, **IEC60754-1 and 2:** corrosivity, **IEC61034-2:** smoke density, **NEK 606:** oil & mud resistancy
Application: for fixed installations in all areas and on open deck in ships and offshore units


Flame Retardant Armoured
658TQ shipwiring cable to BS6883


Part No	Cores	Conductor Size	Colour/reference	OD
ME-67343	2	1.5sqmm (class2)	Black	12.7mm
ME-67061	2	2.5sqmm (class2)	Black	13.9mm
ME-67401	3	1.5sqmm (class2)	Black	13.4mm
ME-67575	3	2.5sqmm (class2)	Black	14.7mm
ME-67576	3	4.0sqmm (class2)	Black	17.0mm
ME-67612	3	6.0sqmm (class2)	Black	18.4mm
ME-67605	3	10sqmm (class2)	Black	22.1mm
ME-67134	3	16sqmm (class2)	Black	24.6mm

Conductors: Tinned annealed stranded copper
Insulation: EPR (Ethylene Propylene Rubber)
Conductor identification: White cores with black numbers
Armour: GSWB (Galvanized steel wire braid)
Sheath/Jacket: Low Smoke Zero Halogen (ZHAL),
Type: SW4 **Colour:** Black **Voltage:** 600/1000v
Operating temperature: Maximum 85°C, minimum bending -25°C

Standards:

BS6883: Shipboard cable **BSEN60228:2005 (previously BS6360):** Specification for electrical conductors in insulated cable, **BS7655-1.2 & BS7655-2.6:** specifications for cable insulation
Application: For fixed installations in all areas and on open deck in ships and offshore units


Fire Resistant Armoured
658MGTQ shipwiring cable to BS7917 and BS6883


Part No	Cores	Conductor Size	Colour/reference	OD
ME-67629	2	1.5sqmm	Black	14.6mm
ME-67146	2	2.5sqmm	Black	15.4mm
ME-67400	3	1.5sqmm	Black	15.2mm
ME-67625	3	2.5sqmm	Black	16.3mm
ME-67626	3	4.0sqmm	Black UKOOA YD304	18.5mm
ME-67632	3	6.0sqmm	Black UKOOA YD306	19.6mm
ME-67624	3	10sqmm	Black UKOOA YD310	22.1mm
ME-67053	3	16sqmm	Black UKOOA YD316	24.7mm

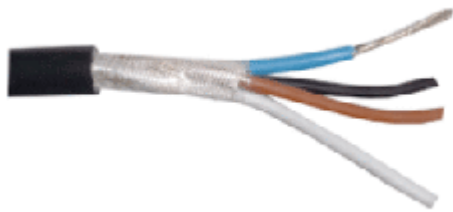
Conductors: Tinned annealed stranded copper
Insulation: IMGT (Mica Glass Tape) with EPR (Ethylene Propylene Rubber), white insulation with black numbers
Armour: GSWB (Galvanized steel wire braid)
Sheath/Jacket: Low Smoke Zero Halogen (ZHAL),
Type: SW4 **Voltage:** 600/1000v **Colour:** Black
Operating temperature: Maximum 85°C, minimum bending -25°C

Standards:

BS6883: shipboard cable, **BS7917:** fire resistant shipboard cable, **IEC60332-3-22:** flame retardancy, **IEC60754-1 and 2:** corrosivity, **IEC61034-2:** smoke density, **NEK 606:** oil & mud resistancy

Other types and sizes available on request

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Flame Retardant Unarmoured

XI marine power and control shipwiring cable

Part No	Cores	Conductor Size	Colour/reference	OD
ME-I4000	2	1.5sqmm (class2)	Black	8.2mm
ME-I4001	2	2.5sqmm (class2)	Black	9.0mm
ME-I4004	3	1.5sqmm (class2)	Black	8.7mm
ME-I4005	3	2.5sqmm (class2)	Black	9.6mm
ME-I4006	3	4.0sqmm (class2)	Black	11.2mm
ME-I4034	3	6.0sqmm (class2)	Black	12.4mm
ME-I4035	3	10sqmm (class2)	Black	14.6mm

Conductors: Plain flexible compacted stranded Copper

Insulation: XLPE (Crossed linked polyethylene)

Core identification: Single core black, 2 core black & Light blue, 3 core black, light blue & brown, 4 core black, light blue, brown & white, 5 core and above, white cores with black numbers. Earthing core (Green/Yellow) available in request

Bedding: 'FLAME-BAR' (Halogen free)

Sheath/Jacket: LSZH (Low smoke, zero halogen)

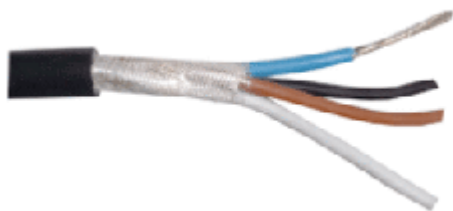
Colour: Black **Voltage:** 600/1000v

Operating temperature: Maximum 100°C, minimum bending -40°C

Standards:

IEC60092-353: power cables for electrical installation in ships **Ref:** XI cable

Type approvals: ABS, DNV, Bureau Veritas, Germanischer Lloyd, Lloyds Register, RINA, & Russian Maritime Register of Shipping



Fire Resistant Unarmoured

XI 331 fire resistant power shipwiring cable to IEC60092-353 and IEC60331

Part No	Cores	Conductor Size	Colour/reference	OD
ME-I4162	2	1.5sqmm	Black	9.0mm
ME-I4130	2	2.5sqmm	Black	10.0mm
ME-I4116	3	1.5sqmm	Black	9.5mm
ME-I4115	3	2.5sqmm	Black	10.6mm
ME-I4186	3	16sqmm	Black	18.7mm

Conductor: Plain flexible compacted copper IEC60228 Class 2

Insulation: mica tape plus XLPE compound insulated

Bedding: halogen free FLAMEBAR ® bedding

Sheath: halogen free LSZH sheath

Design and Construction: IEC60092-353

Nominal Voltage Uo/U: 0.6/1 kV **Maximum Voltage Umax:** 1,2 kV

Flame Retardancy: IEC 60332-1 IEC 60332-3 Cat A

Fire Resistancy: IEC 60331 **Corrosivity:** IEC 60754-1 IEC 60754-2

Smoke Density: IEC 61034-2

Toxicity and Smoke Density: IMO RESOLUTION MSC 41(64) and ATS 1000.001 tech. spec.

Cold bend and impact test (-40oC) CSA C22.2 No 38-95

Cores Identification: 1 core black, 2 core black & light blue

3 core black, brown & light blue, 4 core black, blue, brown & white, 5 core white and numbered. Earthing core (on request) green/yellow

Sheath Colour: Black **Ref:** XI 331 cable

Operating temperature: Maximum 100°C, minimum bending -40°C

Standards: IEC60092-353: power cables for electrical installation in ships

Type approvals: ABS, Bureau Veritas, DNV, Lloyd's Register & Russian Maritime Register of Shipping



Flame Retardant Armoured

XAI armoured power and control shipwiring cable to IEC60092-353

Part No	Cores	Conductor Size	Colour/reference	OD
ME-I4011	2	1.5sqmm (class2)	Black	9.1mm
ME-I4012	2	2.5sqmm (class2)	Black	10.0mm
ME-I4014	3	1.5sqmm (class2)	Black	9.6mm
ME-I4015	3	2.5sqmm (class2)	Black	10.5mm
ME-I4016	3	4.0sqmm (class2)	Black	12.1mm
ME-I4017	3	6.0sqmm (class2)	Black	13.3mm
ME-I4018	3	10sqmm (class2)	Black	15.9mm
ME-I4019	3	16sqmm (class2)	Black	18.7mm

Conductors: Plain flexible compacted stranded copper

Insulation: XLPE (Crossed linked polyethylene)

Core identification: Single core black, 2 core black & Light blue, 3 core black, light blue & brown, 4 core black, light blue, brown & white, 5 core and above, white cores with black numbers. Earthing core (Green/Yellow) available in request

Bedding: 'FLAME-BAR' (Halogen free)

Screen: PCWB (Plain copper wire braid)

Sheath/Jacket: LSZH (Low smoke, zero halogen)

Colour: Black **Voltage:** 600/1000v

Operating temperature: Maximum 100°C, minimum bending -40°C

Standards:

IEC60092-353: power cables for electrical installation in ships,

IEC60228: electrical conductors of insulated cable,

IEC60332: flame retardancy, **IEC60754:** halogen free properties,

IEC61034: smoke density **Ref:** XAI cable

Type Approvals: ABS, Bureau Veritas, DNV, Germanischer Lloyd, Lloyd's Register, RINA & Russian Maritime Register of Shipping



Other types and sizes available on request

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**Fire
Resistant
Armoured**

XAI 33 I armoured fire resistant power shipwiring cable to IEC60092-353 and IEC6033 I

Conductor: plain flexible compacted copper IEC60228 Class 2 conductors

Insulation: mica tape plus XLPE based compound insulation

Armour: plain copper wire braid **Sheath:** Halogen free LSZH sheath.

Design and Construction: IEC60092-353

Nominal Voltage U₀/U: 0,6/1 kV **Maximum Voltage U_{max}:** 1,2 kV

Flame Retardancy: IEC 60332-1 IEC 60332-3 Cat A

Fire Resistancy: IEC 60331 **Corrosivity:** IEC 60754-1 IEC 60754-2

Smoke Density: IEC 61034-2

Toxicity and Smoke Density: IMO RESOLUTION MSC 41 (64) and ATS

1000.001 tech. spec. Cold bend and impact test (-40°C) CSA C22.2

No 38-95 **Cores Identification:** 1 core black, 2 core black & light blue

3 core black, brown & light blue, 4 core black, blue, brown & white, 5

core white and numbered Earthing core (on request) green/yellow

Sheath Colour: Black

Type approvals: ABS, Bureau Veritas, DNV, Lloyd's Register & Russian Maritime Register of Shipping



Part No	Cores	Conductor Size	Colour/reference	OD
ME-14064	2	1.5sqmm	Black	9.9mm
ME-14078	2	2.5sqmm	Black	11.2mm
ME-14065	3	1.5sqmm	Black	10.5mm
ME-14092	3	2.5sqmm	Black	11.8mm
ME-14113	3	4.0sqmm	Black	13.2mm
ME-14093	3	6.0sqmm	Black	15.1mm
ME-14063	3	10sqmm	Black	17.4mm
ME-14111	3	16sqmm	Black	20.2mm



**Flame
Retardant
Armoured**

RFOU instrumentation cable, mud resistant to NEK606

Conductors: Tinned annealed stranded copper

Core identification: Single core: off-white 2 core: off-white & black, 3 core: off-white, black & red, 4 core: off-white, black, red & blue.

Insulation: Halogen free EPR (Ethylene Propylene Rubber),

Screen: TCWB (Tinned copper wire braid)

Sheath/Jacket: Type: SHF, thermoset dual compound, halogen free and mud resistant

Sheath colours: Black **Voltage:** 600/1000v

Operating temperature: Maximum 85°C, minimum bending -40°C

Standards:

IEC60092-353: electrical installation in ships, power cables, **NEK606:**

cables for offshore installation halogen-free or mud-resistant,

IEC60092.375 shipboard telecommunications cable, **IEC60331:** fire

resistant, **IEC60332:** flame retardant, **IEC61031-1.2:** smoke density,

IEC60754-1: halogen free properties, **IEC60228:** electrical conductor

Applications: Mud resistant cable for control, lighting and power systems

Type Approvals: ABS, DNV & Lloyd's Register of Shipping



Part No	Cores	Conductor Size	Colour/reference	OD
ME-67914	2	1.5sqmm (class2)	Black	14.4mm
ME-67202	2	2.5sqmm (class2)	Black	15.5mm
ME-67080	3	1.5sqmm (class2)	Black	15.0mm
ME-67092	3	2.5sqmm (class2)	Black	16.1mm
ME-67101	3	4.0sqmm (class2)	Black	17.8mm
ME-67107	3	6.0sqmm (class2)	Black	19.1mm
ME-67117	3	10sqmm (class2)	Black	21.1mm
ME-67811	3	16sqmm (class2)	Black	23.6mm



**Fire
Resistant
Armoured**

BFOU power cable, mud resistant to NEK606

Conductors: Tinned annealed stranded copper

Core identification: Single core: off-white 2 core: off-white & black, 3 core: off-white, black & red, 4 core: off-white, black, red & blue.

Insulation: MGT (Mica glass tape), halogen free EPR (Ethylene Propylene Rubber),

Screen: TCWB (Tinned copper wire braid)

Sheath/Jacket: Type: SHF, thermoset dual compound, halogen free and mud resistant

Sheath colours: Black & Grey **Voltage:** 600/1000v

Operating temperature: Maximum 85°C, minimum bending -40°C

Standards:

IEC60092-353: electrical installation in ships, power cables,

NEK606: cables for offshore installation halogen-free or mud-resistant,

IEC60092.375 shipboard telecommunications cable,

IEC60331: fire resistant,

IEC60332: flame retardant,

IEC61031-1.2: smoke density,

IEC60754-1, halogen free properties,

IEC60228: electrical conductor

Applications: Mud resistant cables suitable for control, lighting and power systems

Type Approvals: ABS, DNV & Lloyd's Register of Shipping



Part No	Cores	Conductor Size	Colour/reference	OD
ME-67751	2	2.5sqmm (class2)	Black	16.5mm
ME-67236	3	1.5sqmm (class2)	Black	16.1mm
ME-67220	3	2.5sqmm (class2)	Black	17.2mm
ME-67444	3	4.0sqmm (class2)	Black	19.0mm
ME-67422	3	6.0sqmm (class2)	Black	20.7mm
ME-67672	3	10sqmm (class2)	Black	22.6mm
ME-67838	3	16sqmm (class2)	Black	25.5mm

Other types and sizes available on request

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Habia RTFRO multi-core cables 300/500V

RTFRO

Habia Cable is a leading international manufacturer of specialist wire and cable. Our diesel engine cables have been used for over 20 years by a number of leading diesel manufacturers.

Developed for demanding installations in tough areas such as engine rooms and control rooms, our cables are able to offer mechanical strength which enables installation without added protection along with a wide temperature range of -65oC to +150oC that can guarantee a long lifetime, even when placed close to the heat source. Habia's diesel engine cables are oil and chemical resistant and flame retardant to IEC 60332-3 adding major safety benefits.



Key properties:

Voltage rating: 300/500V
 Test voltage: 1 minute at 5 kV DC
 Temperature range: -65°C to +95°C *
 Flame retardant
 Low smoke generation
 RoHS Compliant

Cable construction:

Cores: Tin Plated Copper (TPC)
 Insulation: ETFE
 Filling
 Screen: Tin plated copper drain wire beneath braid of tin plated copper wire (85% min coverage) **
 Ripcord
 Sheath: ETFE **

Notes:

* Insulation and sheath materials will operate over the temperature range: -65°C to +150°C

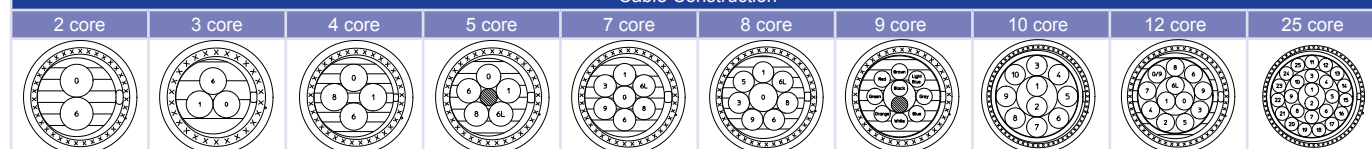
** Screen and sheath will appear un-round due to the use of a drain wire which will create a 'nose' on one side of the cable. Dimensions are stated as A,A x B,B where the dimension A,A is the diameter over the roundest part of the cable and B,B is diameter including the 'nose'.

Identification & marking:

Cores: See individual drawing for details
 Sheath: Black

Part No.	Construction				Electrical
	core no.	conductor size mm ²	shield (s) diameter	sheath (s) max diameter	amps at 40°C max
MEI-001-07	2x	0,75	4,8 x 5,8	5,6 x 6,6	12,8
MEI-006-01	2x	1,50	6,3 x 7,3	7,3 x 8,3	20,2
MEI-008-03	3x	0,50	4,6 x 5,6	5,4 x 6,4	9,1
MEI-001-08	3x	0,75	5,1 x 6,1	5,9 x 6,9	11,9
MEI-006-02	3x	1,50	6,6 x 7,6	7,6 x 8,6	18,7
MEI-008-04	4x	0,50	4,8 x 5,8	5,6 x 6,6	8,2
MEI-001-09	4x	0,75	5,6 x 6,6	6,4 x 7,4	10,8
MEI-006-03	4x	1,50	7,2 x 8,0	8,2 x 9,0	17,0
MEI-001-10	5x	0,75	6,1 x 7,1	7,1 x 8,1	10,1
MEI-006-04	5x	1,50	8,0 x 9,0	9,1 x 10,1	15,9
MEI-001-11	7x	0,75	6,7 x 7,7	7,7 x 8,7	8,7
MEI-006-05	7x	1,50	8,7 x 9,7	9,8 x 10,8	13,8
MEI-001-12	8x	0,75	7,2 x 8,2	8,2 x 9,2	8,3
MEI-008-12	9x	0,50	7,5 x 8,4	8,5 x 9,4	6,1
MEI-006-06	10x	1,50	11,2 x 12,2	12,4 x 13,4	12,5
MEI-001-13	12x	0,75	8,6 x 9,6	9,7 x 10,7	7,4
MEI-010-04	25x	0,75	11,8 x 12,4	13,2 x 13,8	5,7

Cable Construction



Other types and sizes available on request

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Black Standard Nylon Cable Ties

- Internal serrations for positive locking
- Head design guarantees high tensile strength and low insertion force
- UL Approved Nylon 66, 94V-2



Part No	Size (mm)	Pack Qty	Price	Part No	Size (mm)	Pack Qty	Price
MEI-AM16	160 x 2.5	100		MEI-AH30	300 x 7.6	100	
MEI-AM20	200 x 2.5	100		MEI-AH37	370 x 7.6	100	
MEI-AN30	300 x 4.8	100		MEI-AE43	430 x 9.0	100	
MEI-AN37	370 x 4.8	100		MEI-AE53	530 x 9.0	100	

Coated 316 Stainless Steel Cable Ties

Roller ball style.

Pure polyester coated 316 grade stainless steel cable ties, suitable for indoor and outdoor use. Polyester coating provides added edge protection and prevents corrosion between dissimilar metals.



Part No	Size (mm)	Pack Qty	Price Per Pack
MEI-A4PCN12	125x4.6mm	100	
MEI-A4PCN20	200x4.6mm	100	
MEI-A4PCN30	300x4.6mm	100	
MEI-A4PCN36	360x4.6mm	100	
MEI-A4PCH36	360x7.9mm	100	
MEI-A4PCH52	520x7.9mm	100	

316 Stainless Steel Cable Ties

- High quality stainless cable tie developed for highly corrosive applications
- Roller ball 316 grade Cable Ties can be used in applications of extreme temperature and hostile environments



Part No	Size (mm)	Pack Qty	Price Per Pack
MEI-A4STN30	300 x 4.5mm	100	
MEI-A4STN37	370 x 4.5mm	100	
MEI-A4STH30	300 x 7.9mm	100	
MEI-A4STH37	370 x 7.9mm	100	

LFPC Protective Profiles For Stainless Steel Cable Ties

Recommended where the tightening is such that the cable insulation may be damaged by the tie

- Self-extinguishing
- LFPC zero halogen channel



Part No	Width (mm)	Thickness (mm)	Reel Length (M)	Price
MEI-LFPC70BK	7 (For Use With 4.5mm SS Ties)	1.1	25	
MEI-LFPC103BK	10 (For Use With 7.9mm SS Ties)	1.1	25	

Stainless Steel Cable Tie Tension Tool

- Automatic Stainless Steel Cable Tie Tensioning and cutting tool
- Will tension and cut Stainless Steel Cable Ties up to 7.9mm width
- Adjustable tension indicator



Part No	Price Each
MEI-TGM5	

Tri-Rated Panel Wiring



Approval - CSA, UL B BS6231
Supplied in 100mtr Reels

Single core, flexible plain annealed copper wires, heat resistant PVC insulation. Maximum working temperature 105°C.

Part No	Conductor			Price	Part No	Conductor			Price
	Cores	Size	OD			Cores	Size	OD	
MEI-TR0.5	1	0.5mm	2.7mm		MEI-TR4.0	1	4.0mm	4.4mm	
MEI-TR0.75	1	0.75mm	2.9mm		MEI-TR6.0	1	6.0mm	5.1mm	
MEI-TR1.0	1	1.0mm	3.1mm		MEI-TR10.0	1	10.0mm	6.0mm	
MEI-TR1.5	1	1.5mm	3.4mm		MEI-TR16.0	1	16.0mm	9.2mm	
MEI-TR2.5	1	2.5mm	3.8mm						

COLOURS: Red, Black, Blue, Yellow, Earth, Grey, Green, White, Orange, Brown, Pink, Violet

Electrical tape

PVC flame retardant and waterproof electrical tape.



Part No	Description	Size	Price
MEI-TP2-BLACK	Black PVC tape	19mm x33mtr	
MEI-TP2-WHITE	White PVC tape	19mm x33mtr	
MEI-TP2-GREY	Grey PVC tape	19mm x33mtr	
MEI-TP2-BLUE	Blue PVC tape	19mm x33mtr	
MEI-TP2-RED	Red PVC tape	19mm x33mtr	
MEI-TP2-YELLOW	Yellow PVC tape	19mm x33mtr	
MEI-TP2-BROWN	Brown PVC tape	19mm x33mtr	
MEI-TP2-EARTH	Green/Yellow PVC tape	19mm x33mtr	

Self Amalgamating

A very useful derivative of insulating tape which can be used for waterproofing connections. To use, the top protective layer is peeled off and the rubbery self-amalgamating tape underneath is wrapped tightly around the connection to be waterproofed



Part No	Description	Size	Price
MEI-TP8	Self Amalgamating tape	19mm x 10mtr	

MCT MSR Glands

The MSR Gland is designed to seal upto 8 cables between 4 & 16mm diameter. Simply remove the centre core and minimize the number of rings to enable cables to pass through. When all cables are inserted into the gland simply tighten the four Hex Screws equally. Once completed the seal will provide an effective barrier against fire, water & dust.



Lloyds Certified to A60 Approval

Part No	Description	Hole size rqd dia. (mm)	Min cable dia. (mm)	Max cable dia. (mm)	No. of cables	Price
MEI-MSR25-1	MSR 25 Type 1	25	4	12	1	
MEI-MSR40-1	MSR 40 Type 1	40	11	24	1	
MEI-MSR40-2	MSR 40 Type 2	40	6	15	2	
MEI-MSR40-3	MSR 40 Type 3	40	6	12	4	
MEI-MSR50-1	MSR 50 Type 1	51	5	10	5	
MEI-MSR50-2	MSR 50 Type 2	51	4	16	3	
MEI-MSR63-1	MSR 63 Type 1	64	4	16	4	
MEI-MSR63-2	MSR 63 Type 2	64	5	10	8	

Roxtec S-frames, primed, mild steel

Roxtec S-frames

for use with RM components.



Part No	Frame type	Packing space (mm)	External dimensions (D=60mm) HxW (mm)	Price
MEI-S2-I	S2 x I	60 x 120	121 x 141	
MEI-S4-I	S4 x I	120 x 120	180 x 141	
MEI-S6-I	S6 x I	180 x 120	238 x 141	

Roxtec RM Modules

Sealing Modules for use with Roxtec frames, removable layers for perfect adaptation to cable or pipe. When used with solid core, the module functions as a spare module for future capacity.



Part No	Module type	For Cable / pipe diameter Øa-Øb (mm)	External dim. (mm) HxW (D=60 mm)	Price
MEI-RM15	RM 15	0+ 3.0-11.0	15 x 15	
MEI-RM20	RM 20	0+ 4.0-14.5	20 x 20	
MEI-RM30	RM 30	0+ 10.0-25.0	30 x 30	
MEI-RM40	RM 40	0+ 21.5-34.5	40 x 40	
MEI-RM60	RM 60	0+ 28.0-54.0	60 x 60	

Roxtec Wedge

The Roxtec wedge is used in frames with a rectangular packing space without built-in compression. Compresses & seals the installation of cables, pipes, modules and stayplates.



Part No	Wedge type	External dimensions W (mm)	Price
MEI-Wedge GV	Wedge 120 Galv	120	
MEI-Wedge GV Kit	Wedge 120 Galv (Kit) *	120	
MEI-Wedge SS	Wedge 120 Stainless Steel	120	
MEI-Wedge SS Kit	Wedge 120 Stainless Steel (Kit)*	120	

* The Wedge kit includes one Roxtec Wedge 120, five Stayplates, one Wedge Clip, one Lubricant and installation instructions.

Roxtec Stayplates

Roxtec Stayplates are used for pull-out resistance against forces in cables and pipes. To be inserted between rows of modules in frames with a rectangular packing space and no built in compression.



Part No	Stayplate Type	Fits Packing Space W (mm)	Price
MEI-Plate GV	Stayplate 120 Galv	120	
MEI-Plate SS	Stayplate 120 Stainless Steel	120	

Geaquello E 950 Sealing System

Geaquello E950 Sealing System consists of :

R 312 or 380 Swell Modules

E 824 Impregnation Fluid

E 950 Sealing Compound

Geaquello E950 is a sealing system for making removable, fire-retardant, gas and watertight cable ducts for ships and offshore applications

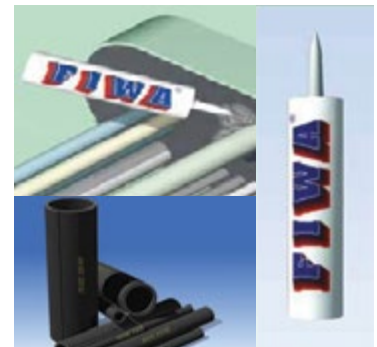


Part No	Description	Size	Price
MEI-4145486	Geaquello Compound E950	3Kg	
MEI-4145524	Geaquello Compound E950	15Kg	
MEI-4145152	Impregnation Fluid	1Kg	
MEI-4145286	Impregnation Fluid	10Kg	
MEI-4148142	Swell Modules Sticks (25 Sticks)	800 x 25 x 6mm	
MEI-4148143	Swell Modules (360 Sticks)	120 x 25 x 6mm	

RISE Materials

Multi-Cable Transit Sealing System

FIWA is absolutely Hallogen free, furthermore FIWA has a low smoke index and a high oxygen index with low flame spread characteristics.



Part No	Description	Size	Price
MEI-80.0900	Sealant	300ml cartridge	

Part No	Cable Sleeve	Cable Diameter (mm)	Sleeve Length (mm)	Price
MEI-80.0200	12/6	5 - 7	210	
MEI-80.0201	14/8	7 - 9	210	
MEI-80.0202	16/10	9-11	210	
MEI-80.0203	18/12	11-13	210	
MEI-80.0204	20/14	13-15	210	
MEI-80.0205	22/16	15-17	210	
MEI-80.0206	27/19	17-21	210	
MEI-80.0207	31/23	21-25	210	
MEI-80.0208	35/27	25-29	210	
MEI-80.0209	39/31	29-33	210	
MEI-80.0210	46/36	33-39	210	
MEI-80.0211	52/42	39-45	210	
MEI-80.0212	58/48	45-51	210	
MEI-80.0213	64/54	51-57	210	
MEI-80.0214	70/60	57-63	210	

Note : Maximum continuous service temperature of RISE sleeves not to exceed 70°. For higher operating temperatures please contact us.

Heatshrink Sleeving

Description:

This is a flexible, flame retarded heat-shrinkable polyolefin tubing, with a shrink ratio of 4 : 1 with a thick wall adhesive which melts and flows, to seal components contained within.

Recommended for applications requiring water-proofing for light cable and wire harnesses and protection of connector components



Applications:

Manufactured by co-extrusion of polyolefin and hot-melt adhesive. Designed to provide both insulation and sealing for the protected items. Typically uses are the protection of automotive wires, bundled wires and metal tubes against water and moisture. The high expansion ratio makes it possible to repair most damaged cable jackets without removing connectors.

Part No	Description	Shrink Range	Length	Pack Qty	Price
MEI-HS403	Adhesive heatshrink	12-3mm	1.2m	1	
MEI-HS404	Adhesive heatshrink	16-4mm	1.2m	1	
MEI-HS405	Adhesive heatshrink	20-5mm	1.2m	1	
MEI-HS406	Adhesive heatshrink	24-6mm	1.2m	1	
MEI-HS407	Adhesive heatshrink	32-8mm	1.2m	1	
MEI-HS408	Adhesive heatshrink	52-13mm	1.2m	1	

Adhesive Heatshrink End Cap

Description:

Heatshrink adhesive lined end caps are used to seal the ends of plastic, rubber and paper insulated cables, from moisture, dirt and corrosion, with a shrink ratio of 2.5:1

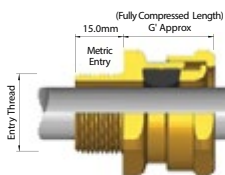


Part No	Description	Shrink Range	Length	Pack Qty	Price
MEI-CB09652	Heatshrink end caps	10-4mm	38mm	1	
MEI-CB09653	Heatshrink end caps	20-7.5mm	55mm	1	
MEI-CB09654	Heatshrink end caps	35-15mm	90mm	1	
MEI-CB09655	Heatshrink end caps	55-25mm	143mm	1	

Industrial Area 121

Application

Outdoor or indoor use. For use with non-armoured elastomer and plastic insulated cables.



Part No	Entry Thread Size Metric	Cable Acceptance Details Outer Sheath 'B'				Price.
		Standard Seal Min.	Seal Max.	Alternative Seal (S) Min.	Seal Max.	
MEI-121/M16 K	M16	3.0	8.0	-	-	
MEI-121/M20 Os	M20	3.0	8.0	-	-	
MEI-121/M20 O	M20	7.5	11.9	-	-	
MEI-121/M20 A	M20	11.0	14.3	8.5	13.5	
MEI-121/M25 B	M25	13.0	20.2	9.5	15.4	
MEI-121/M32 C	M32	19.0	26.5	15.5	21.2	

LAPP SKINTOP® ST-M

High oil-resistance for maximum reliability
Permanent vibration protection
Wide, variable clamping ranges
Optimum strain relief



Now with IP 69 K approval! Proven to withstand the most demanding cleaning procedures for industrial machinery with highpressure cleaners and hot water!



Application range

Used in areas where cables and wires need to be safely inserted into housings
Machine and equipment manufacturing
Photovoltaic
Automation technology
Offshore platforms, equipment and shipyards
Supplied Complete with Locknut

Part No	Description	Clamping Range	Pack Qty	Price
MEI-5311210	M16 x 1.5 Black	4.5-10mm	10	
MEI-5311220	M20 x 1.5 Black	7-13mm	10	
MEI-5311230	M25 x 1.5 Black	9-17mm	10	
MEI-5311240	M32 x 1.5 Black	11-21mm	10	
MEI-5311250	M40 x 1.5 Black	19-28mm	10	
MEI-5311410	M16 x 1.5 Light Grey	4.5-10mm	10	
MEI-5311420	M20 x 1.5 Light Grey	7-13mm	10	
MEI-5311430	M25 x 1.5 Light Grey	9-17mm	10	
MEI-5311440	M32 x 1.5 Light Grey	11-21mm	10	
MEI-5311450	M40 x 1.5 Light Grey	19-28mm	10	

LAPP SKINTOP® GLANDS MS-M

Maximum reliability
Optimum strain relief
Wide, variable clamping ranges

Now with IP 69 K approval! Proven to withstand the most demanding cleaning procedures for industrial machinery with highpressure cleaners and hot water!



Application range

In areas where mechanical and chemical stability are critical
Chemical industry
Measurement and control technology
Machine and equipment manufacturing
Plant engineering
Supplied Complete with Locknut



Part No	Description	Clamping Range	Pack Qty	Price
MEI-53112010	M16 x 1.5 Nickel plated	4.5-10mm	10	
MEI-53112020	M20 x 1.5 Nickel plated	7-13mm	10	
MEI-53112030	M25 x 1.5 Nickel plated	9-17mm	10	
MEI-53112040	M32 x 1.5 Nickel plated	11-21mm	10	
MEI-53112050	M40 x 1.5 Nickel plated	19-28mm	10	

Skintop Atex Glands

High degree of protection; Cold impact resistance ; High strain relief ;Wide, variable clamping ranges; Permanent vibration protection

Approvals:

IBExU08ATEX 1063 X Ex II ID Ex tD A20 IP 6x
Ex II 2G Ex e II

Application range

Devices, machines and apparatus of enhanced safety protection type "e".
Equipment group II / Category 2G+ID. For mobile applications in offshore and marine industries. Chemical and petrochemical industry

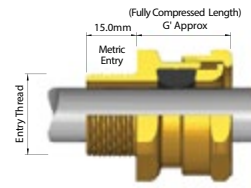


Gland Part No	Clamping Range	Locknut Part No	
MEI-54115210	M16 x 1.5 Black Atex Skintop Gland	54115210	Lapp
MEI-54115220	M20 x 1.5 Black Atex Skintop Gland	54115220	Lapp
MEI-54115230	M25 x 1.5 Black Atex Skintop Gland	54115230	Lapp
MEI-54115240	M32 x 1.5 Black Atex Skintop Gland	54115240	Lapp
MEI-54115250	M40 x 1.5 Black Atex Skintop Gland	54115250	Lapp
MEI-54115410	M16 x 1.5 Blue Atex Skintop Gland	54115410	Lapp
MEI-54115420	M20 x 1.5 Blue Atex Skintop Gland	54115420	Lapp
MEI-54115430	M25 x 1.5 Blue Atex Skintop Gland	54115430	Lapp
MEI-54115440	M32 x 1.5 Blue Atex Skintop Gland	54115440	Lapp
MEI-54115450	M40 x 1.5 Blue Atex Skintop Gland	54115450	Lapp
TBC	M16 x 1.5mm Black locknut		Lapp
TBC	M20 x 1.5mm Black locknut		Lapp
TBC	M25 x 1.5mm Black locknut		Lapp
TBC	M32 x 1.5mm Black locknut		Lapp
TBC	M40 x 1.5mm Black locknut		Lapp
TBC	M16 x 1.5mm Blue locknut		Lapp
TBC	M20 x 1.5mm Blue locknut		Lapp
TBC	M25 x 1.5mm Blue locknut		Lapp
TBC	M32 x 1.5mm Blue locknut		Lapp
TBC	M40 x 1.5mm Blue locknut		Lapp

Hazardous Area 501/421

Application

The 501/421 cable gland provides a seal on the outer cable sheath and is intended for use on non-armoured elastomer and plastic insulated cables. The cable is dual certified Exd and Exe and is suitable for installation in Zone 1 (21) and Zone 2 (22) hazardous areas.



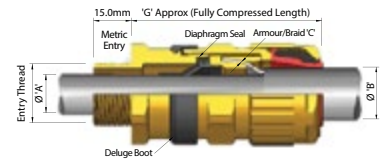
Part No	Entry Thread Size Metric	Cable Acceptance Details Outer Sheath 'B'				Price.
		Standard Seal Min.	Standard Seal Max.	Alternative Seal (S) Min.	Alternative Seal (S) Max.	
MEI-501/421/M16 K	M16	3.0	8.0	-	-	
MEI-501/421/M20 Os	M20	3.0	8.0	-	-	
MEI-501/421/M20 O	M20	7.5	11.9	-	-	
MEI-501/421/M20 A	M20	11.0	14.3	8.5	13.5	
MEI-501/421/M25 B	M25	13.0	20.2	9.5	15.4	
MEI-501/421/M32 C	M32	19.0	26.5	15.5	21.2	

Hazardous Area 501/453/UNIVERSAL

Application

Outdoor or indoor use.

For use with single wire armour 'W', wire braid 'X', steel tape elastomer and plastic insulated cables. For particular use with Cables that exhibit 'Cold Flow' characteristics. See technical section for installation rules and regulations.



Part No	Metric	Inner Sheath 'A'		Outer Sheath 'B'		Price
		Min.	Max.	Min.	Max.	
MEI-501/453/Univ/M20 Os	M20	3.5	8.1	5.5	12.0	
MEI-501/453/Univ/M20 O	M20	6.5	11.4	9.5	16.0	
MEI-501/453/Univ/M20 A	M20	8.4	14.3	12.5	20.5	
MEI-501/453/Univ/M25 B	M25	11.1	19.7	16.9	26.0	
MEI-501/453/Univ/M32 C	M32	17.6	26.5	22.0	33.0	

Accessories

All dimensions in millimetres (except * where dimensions are in inches)

Nylon Washer



Application For use on cable gland entry threads.

Features To maintain ingress protection rating at the enclosure.

Part No	Metric Gland Size 'V'	Price
MEI-Wash/F/M20S	M20	
MEI-Wash/F/M20	M20	
MEI-Wash/F/M25	M25	
MEI-Wash/F/M32	M32	
MEI-Wash/F/M40	M40	
MEI-Wash/F/M50	M50	

Serrated Washer



Application For use on cable gland entry threads.

Features To dampen vibrations of the cable gland / equipment assembly which may loosen the cable gland or locknut.

Part No	Metric Gland Size 'V'	Price
MEI-Wash/Serr/M20S	M20	
MEI-Wash/Serr/M20	M20	
MEI-Wash/Serr/M25	M25	
MEI-Wash/Serr/M32	M32	
MEI-Wash/Serr/M40	M40	
MEI-Wash/Serr/M50	M50	

Earth Tags



Application Provides an earth bond attachment for a cable gland.

Features Manufactured in Brass (standard).

Part No	Metric Gland Size 'V'	'Y'	'W'	'X'	'Z'	Price
MEI-Etag/M20	M20	6.75	39.6	33.1	1.5	
MEI-Etag/M25	M25	6.85	45.5	36.5	1.5	
MEI-Etag/M32	M32	12.6	52.0	40.9	1.5	
MEI-Etag/M40	M40	13.4	59.6	44.2	1.5	
MEI-Etag/M50	M50	13.5	78.9	58.1	1.5	
MEI-Etag/M63	M63	13.5	87.6	66.8	1.5	

Brass Locknut

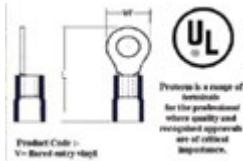


Application Secures a cable gland in position at the equipment.

Features Heavy duty locknuts manufactured in Brass

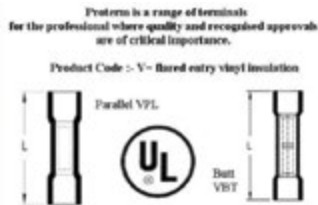
Part No	Metric Gland Size	Metric x 1.5mm Pitch			Price
		Across Flats 'X'	Across Corners 'Y'	'Z'	
MEI-Lnut/M16	M16	22.0	24.0	3.7/4.7	
MEI-Lnut/M20	M20	24.0	26.4	3.7/4.7	
MEI-Lnut/M25	M25	30.0	33.3	3.7/4.7	
MEI-Lnut/M32	M32	40.0	44.0	3.7/4.7	
MEI-Lnut/M40	M40	46.0	50.5	4.5/5.5	
MEI-Lnut/M50	M50	65.0	71.5	4.5/5.5	

Insulated Ring Crimps



Part No	Description(conductor size)	Stud Size (mm)	W(mm)	L(mm)	Pack Size	Price
MEI-VR1-3.2	0.5-1.5mm Red Ring Crimp	3	5.7	17.8	100	
MEI-VRL1-4	0.5-1.5mm Red Ring Crimp	4	8.0	21.5	100	
MEI-VR1-5	0.5-1.5mm Red Ring Crimp	5	8.0	21.5	100	
MEI-VR1-6	0.5-1.5mm Red Ring Crimp	6	11.6	27.5	100	
MEI-VR1-8	0.5-1.5mm Red Ring Crimp	8	11.6	27.5	100	
MEI-VR1-10	0.5-1.5mm Red Ring Crimp	10	13.6	31.6	100	
MEI-VR2-3.2	1.5-2.5mm Blue Ring Crimp	3	6.6	17.8	100	
MEI-VR2S-4	1.5-2.5mm Blue Ring Crimp	4	6.6	21.0	100	
MEI-VRL2-5	1.5-2.5mm Blue Ring Crimp	5	9.5	22.5	100	
MEI-VR2-6	1.5-2.5mm Blue Ring Crimp	6	12.0	27.6	100	
MEI-VR2-8	1.5-2.5mm Blue Ring Crimp	8	12.0	27.6	100	
MEI-VR2-10	1.5-2.5mm Blue Ring Crimp	10	13.6	30.2	100	
MEI-VRL5-4	4.0-6.0mm Yellow Ring Crimp	4	9.5	25.5	100	
MEI-VR5-5	4.0-6.0mm Yellow Ring Crimp	5	9.5	25.5	100	
MEI-VR5-6	4.0-6.0mm Yellow Ring Crimp	6	12.0	31.5	100	
MEI-VR5-8	4.0-6.0mm Yellow Ring Crimp	8	15.0	33.7	100	
MEI-VR5-10	4.0-6.0mm Yellow Ring Crimp	10	15.0	33.7	100	

Insulated Parallel and Butt Connectors



Part No	Description(conductor size)	L(mm)	Pack Size	Price
MEI-VBT1	0.5-1.5mm Red Butt Connector	26.0	100	
MEI-VBT2	1.5-2.5mm Blue Butt Connector	26.0	100	
MEI-VBT5	4.0-6.0mm Yellow Butt Connector	26.0	100	
MEI-VPL1	0.5-1.5mm Red Parallel Connector	16.0	100	
MEI-VPL2	1.5-2.5mm Blue Parallel Connector	16.0	100	
MEI-VPL5	4.0-6.0mm Yellow Parallel Connector	20.5	100	

Hand Operated Crimping Tools



PZ6 Roto



PZ16



Double crimp CT16

Part No	Description	Pack Size
MEI-9014350000	PZ6 Roto for Bootlace Ferrules 0.14mm – 6.0mm	1
MEI-9014980000	PZ16 for Bootlace Ferrules 6.0mm – 16.0mm	1
MEI-9006120000	CT16 for insulated crimps 0.5mm – 6.0mm	1

Copper Tube Crimping Lugs



For copper conductors A-M Series lugs are manufactured from electrolytic copper tube. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength

to resist vibration and pull out. Cembre lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

Part No	Description(conductor size)	Stud Size (mm)	B (mm)	L (mm)	M (mm)	N (mm)	Pack Size
MEI-A2-M6	10.0mm Crimp Lug	6	11.0	26.5	7.0	6.0	100
MEI-A2-M8	10.0mm Crimp Lug	8	15.0	30.5	9.0	8.0	100
MEI-A2-M10	10.0mm Crimp Lug	10	18.0	34.5	11.0	10.0	100
MEI-A2-M12	10.0mm Crimp Lug	12	19.0	39.5	14.0	12.0	100
MEI-A3-M6	16.0mm Crimp Lug	6	11.5	29.5	7.0	6.0	100
MEI-A3-M8	16.0mm Crimp Lug	8	15.0	33.5	9.0	8.0	100
MEI-A3-M10	16.0mm Crimp Lug	10	18.0	37.5	11.0	10.0	100
MEI-A3-M12	16.0mm Crimp Lug	12	20.0	42.5	14.0	12.0	100
MEI-A5-M6	25.0mm Crimp Lug	6	14.0	32.0	7.0	6.0	100
MEI-A5-M8	25.0mm Crimp Lug	8	15.0	36.0	9.0	8.0	100
MEI-A5-M10	25.0mm Crimp Lug	10	18.0	40.0	11.0	10.0	100
MEI-A5-M12	25.0mm Crimp Lug	12	21.0	45.0	14.0	12.0	100
MEI-A7-M6	35.0mm Crimp Lug	6	17.0	34.5	7.0	6.0	100
MEI-A7-M8	35.0mm Crimp Lug	8	17.0	38.5	9.0	8.0	100
MEI-A7-M10	35.0mm Crimp Lug	10	19.0	42.5	11.0	10.0	100
MEI-A7-M12	35.0mm Crimp Lug	12	21.0	47.5	14.0	12.0	50
MEI-A10-M6	50.0mm Crimp Lug	6	19.0	38.5	8.0	7.0	50
MEI-A10-M8	50.0mm Crimp Lug	8	19.0	40.5	9.0	8.0	50
MEI-A10-M10	50.0mm Crimp Lug	10	20.0	44.5	11.5	9.5	50
MEI-A10-M12	50.0mm Crimp Lug	12	21.0	47.5	12.0	12.0	50
MEI-A14-M8	70.0mm Crimp Lug	8	21.0	46.0	9.0	8.0	50
MEI-A14-M10	70.0mm Crimp Lug	10	21.0	50.0	11.0	10.0	50

Bootlace Wire End Ferrules

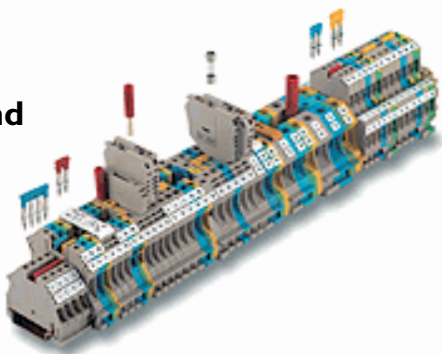
The use of wire end ferrules ensures that users get electrical connections of long-lasting, consistent quality.

- Polypropylene conical cable entry funnel
- Heat-resistant up to 105°C



Part No	Description	Pack Size	Price
MEI-9004590000	0.5mm bootlace ferrule (white)	100	
MEI-9018550000	0.75mm bootlace ferrule (blue)	100	
MEI-9018560000	1.0mm bootlace ferrule (red)	100	
MEI-9025240000	1.5mm bootlace ferrule (black)	100	
MEI-9021070000	2.5mm bootlace ferrule (grey)	100	
MEI-9021100000	4.0mm bootlace ferrule (orange)	100	
MEI-9021130000	6.0mm bootlace ferrule (green)	100	
MEI-9025430000	Assorted kit 0.5mm – 2.5mm	1	
MEI-9025400000	Assorted kit 4.0mm – 16.0mm	1	
MEI-9025390000	Assorted kit doubles 0.5mm – 2.5mm	1	

Terminals and Accessories



Weidmuller W Series Din Rail Components



MEI-WDU..



MEI-WPE..

Part No Description Price Each

Part No	Description	Price Each
MEI-WDU-2.5	2.5mm feed through terminal	
MEI-WDU-4.0	4.0mm feed through terminal	
MEI-WDU-6.0	6.0mm feed through terminal	
MEI-WDU-10	10.0mm feed through terminal	
MEI-WDU-16	16.0mm feed through terminal	

Part No	Description	Price Each
MEI-WPE-2.5	2.5mm feed through earth terminal	
MEI-WPE-4.0	4.0mm feed through earth terminal	
MEI-WPE6	6.0mm feed through earth terminal	
MEI-WPE10	10.0mm feed through earth terminal	
MEI-WPE16	16.0mm feed through earth terminal	



Part No Description Price Each

Part No	Description	Price Each
MEI-WS16	terminal 20mm x 5mm 6.3amp fuse	
MEI-WS125/1	single terminal 38mm x 10mm 32amp fuses	
MEI-WS125/2	double terminal 38mm x 10mm 32amp fuses	
MEI-WS125/3	triple pole terminal 38mm x 10mm 32amp fuses	
MEI-WAP2.5	terminal end cap	
MEI-ZEW	end bracket	
MEI-TS35	din rail 35mm solid top hat 2mtr length	
MEI-TS35SL	din rail 35mm slotted top hat 2mtr length	



Part No Description Price Each

Part No	Description	Price Each
MEI-WAP2.5	Terminal End Cap	
MEI-ZEW	End Bracket	
MEI-TS35	Din Rail 35mm Solid Top Hat 2mtr Length	
MEI-TS35SL	Din Rail 35mm Slotted Top Hat 2mtr Length	

Polycarbonate Junction Boxes

Abox Junction Box - IP65



Part No	Colour	Width	Height	Depth	Price Each
MEI-490902G	Grey	80mm	80mm	52mm	
MEI-491902B	Black	80mm	80mm	52mm	
MEI-490904G	Grey	93mm	93mm	55mm	
MEI-491904B	Black	93mm	93mm	55mm	
MEI-490906G	Grey	110mm	110mm	67mm	
MEI-491906B	Black	110mm	110mm	67mm	
MEI-490910G	Grey	140mm	140mm	79mm	
MEI-491910B	Black	140mm	140mm	79mm	
MEI-490916G	Grey	180mm	180mm	91mm	
MEI-491916B	Black	180mm	180mm	91mm	

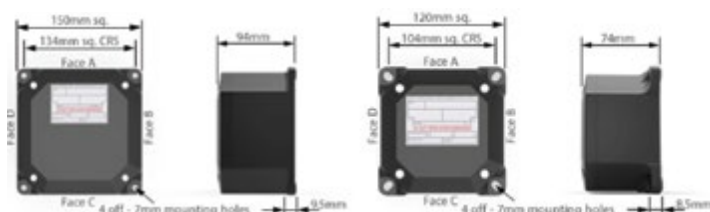
Dual ATEX/IECEx Approved PL612 Enclosure

Materials & Finishes

Glass Reinforced Polyester. Natural Black Finish. Flame Retardant to IEC 92.1 Clause 2.38

General Information

Standard PL612 & PL615 Enclosures are supplied complete with: Steel Earth Continuity Plate. 1 x M20 tapped entry per face (entries not plugged).



Terminal Manufacturer	Terminal Type	Terminal Quantity	Conductor Size (mm ²) Min. Max.	Max. Volts	Max. Amps
Weidmuller	WDU 2.5N	12 + 1 Rail Earth	0.5 2.5	420	16
Weidmuller	WDU 2.5	10 + 1 Rail Earth	0.5 2.5	550	17

Increased Safety II 2 GD Exe IIC Gb, Extb IIIC Db
Baseefa06ATEX0117X and IECEx BAS 06.0028X.
Baseefa06ATEX0116U and IECEx BAS 06.0027U.
Suitable for use in: Zone 1, Zone 2, Zone 21 and Zone 22.
Construction and Test Standards:
IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 60079-31.
Ingress Protection: IP66 and IP67 to IEC/EN 60529.
Deluge Protection to: DTS01
Operating Temperature Range: -60°C to +75°C
Temperature class & ambient:
T6 40°C, optional T5 with ambients up to 65°C.

Part No	Description	Price Each
MEI-PL612	Junction box 120 x 120 x 90mm	
MEI-PL615	Junction box 150 x 150 x 94mm	

Telemecanique Contactors

LCI series 3 Pole AC Contactor is suitable for use in circuits of rated voltage to 660V AC 50HZ or 60HZ, rated current up to 95A, for making & breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, time delay & machine- interlocking contactor, star-delta starter. With the thermal relay, it is combined into the electromagnetic starter. Auxillary contact configuration one N/O, one N/C. The Contactor is produced according to IEC 60947-4.



Add Coil Voltage to part number

B7 - 24VAC M7 - 220VAC
 E7 - 48VAC P7 - 230 VAC
 F7 - 110VAC V7 - 400 VAC
 N7 - 415 VAC

Part No	Rated current Ue ≤ 440V (A)	AC3 Switching Power (Kw)	Height (mm)	Width (mm)	Depth (mm)	Price Each
MEI-LCI-D09	9	4	77	45	86	
MEI-LCI-D12	12	5.5	77	45	86	
MEI-LCI-D18	18	9	77	45	86	
MEI-LCI-D25	25	11	85	45	92	
MEI-LCI-D32	32	15	85	45	92	
MEI-LCI-D38	38	18.5	85	45	92	
MEI-LCI-D40	40	22	127	75	119	
MEI-LCI-D50	50	25	127	75	119	
MEI-LCI-D65	65	37	127	75	119	

Telemecanique 3 Pole Thermal Overload Relays

Three pole thermal overload relays designed to protect ac circuits against overloads, phase failure, long starting times and prolonged stalling of the motor. Auxillary contact configuration IN/O & IN/C.



Part No.	Relay setting range (A)		Fuses to be used with selected relay			For use with Contactor LCI	Price Each
	Am (A)	Gg (A)	BS88 (A)				
MEI-LRD 01	0.10 - 0.16	0.25	2	-		D09...D38	
MEI-LRD 02	0.16 - 0.25	0.5	2	-		D09...D38	
MEI-LRD 03	0.25 - 0.40	1	2	-		D09...D38	
MEI-LRD 04	0.40 - 0.63	1	2	-		D09...D38	
MEI-LRD 05	0.63 - 1	2	4	-		D09...D38	
MEI-LRD 06	1 - 1.6	2	4	6		D09...D38	
MEI-LRD 07	1.6 - 2.5	4	6	10		D09...D38	
MEI-LRD 08	2.5 - 4	6	10	16		D09...D38	
MEI-LRD 10	4 - 6	8	16	16		D09...D38	
MEI-LRD 12	5.5 - 8	12	20	20		D09...D38	
MEI-LRD 14	7 - 10	12	20	20		D09...D38	
MEI-LRD 16	9 - 13	16	25	25		D12...D38	
MEI-LRD 21	12 - 18	20	35	32		D18...D38	
MEI-LRD 22	16 - 24	25	50	50		D25...D38	
MEI-LRD 32	23 - 32	40	63	63		D25...D38	
MEI-LRD 35	30 - 38	40	80	80		D32 and D38	

Telemecanique 3 Pole Thermal Overload Relays (continued)

For Connection by Everlink BTR screw connectors (3)

MEI-LRD 313	9 - 13	16	25	25	D40A...D65A	
MEI-LRD 318	12 - 18	20	32	35	D40A...D65A	
MEI-LRD 325	17 - 25	25	50	50	D40A...D65A	
MEI-LRD 332	23 - 32	40	63	63	D40A...D65A	
MEI-LRD 340	30 - 40	40	80	80	D40A...D65A	
MEI-LRD 350	37 - 50	63	100	100	D40A...D65A	
MEI-LRD 365	48 - 65	63	100	100	D50 and 65A	

Telemecanique Auxillary Contacts



Part No	Description	Price Each
MEI-LADN01	Front contact block NC	
MEI-LADN02	2 NC Front mount contact block	
MEI-LADN11	1 NO 1 NC front mount contact block	
MEI-LADN11G	Front contact block INO + INC	
MEI-LADN13	1NO + 3NC, front mount contact block	
MEI-LADN20	2NO, front mount contact block	
MEI-LADN22	2NO 2NC, front mount contact block	
MEI-LADN31	3NO INC, front mount contact block	

Finder 55 Series Plug-in mount 4 pole relays

Features

Lockable test button and mechanical flag indicator as standard
 AC & DC Coils
 Compatible with 94 Series Sockets
 Compatible with 86 Series Timer accessories
 Coil EMC suppression



Part No	Coil Voltage	Configuration	Contact Voltage	Contact Rating	Price Each
MEI-55.34.8.024	24Vac	4 x CO(4PDT)	250Vac	7Amp	
MEI-55.34.8.110	110Vac	4 x CO(4PDT)	250Vac	7Amp	
MEI-55.34.8.230	230Vac	4 x CO(4PDT)	250Vac	7Amp	
MEI-55.34.9.012	12Vdc	4 x CO(4PDT)	250Vac	7Amp	
MEI-55.34.9.024	24Vdc	4 x CO(4PDT)	250Vac	7Amp	

94 Series Relay / Timer Base

Part No	Contact Voltage	Contact Rating	Price
MEI.94.04	250Vac	10Amp	

86 Series Timer



Part No	Coil Voltage	Configuration	Time Range	Price Each
MEI-86.30.0.024	12-24V ac/dc	Delay on/off	0.05s-100h	
MEI-86.30.8.120	120Vac	Delay on/off	0.05s-100h	
MEI-86.30.8.240	230-240Vac	Delay on/off	0.05s-100h	

Schneider Electric iC60H Circuit Breakers

iC60H circuit breakers are multi-standard circuit breakers which combine the following functions:

Circuit protection against short-circuit currents,
Circuit protection against overload currents,

Suitable for industrial isolation according to IEC/EN 60947-2, standard.
Fault tripping indication by a red mechanical indicator in circuit breaker front face.



Part No.	Description	Poles	Rating	Price Each
MEI-A9F54202	ACTI9 iC60H C Curve MCB	2	2Amp	
MEI-A9F54204	ACTI9 iC60H C Curve MCB	2	4Amp	
MEI-A9F54206	ACTI9 iC60H C Curve MCB	2	6Amp	
MEI-A9F54210	ACTI9 iC60H C Curve MCB	2	10Amp	
MEI-A9F54216	ACTI9 iC60H C Curve MCB	2	16Amp	
MEI-A9F54220	ACTI9 iC60H C Curve MCB	2	20Amp	
MEI-A9F54232	ACTI9 iC60H C Curve MCB	2	32Amp	
MEI-A9F54302	ACTI9 iC60H C Curve MCB	3	2Amp	
MEI-A9F54304	ACTI9 iC60H C Curve MCB	3	4Amp	
MEI-A9F54306	ACTI9 iC60H C Curve MCB	3	6Amp	
MEI-A9F54310	ACTI9 iC60H C Curve MCB	3	10Amp	
MEI-A9F54316	ACTI9 iC60H C Curve MCB	3	16Amp	
MEI-A9F54320	ACTI9 iC60H C Curve MCB	3	20Amp	
MEI-A9F54325	ACTI9 iC60H C Curve MCB	3	25Amp	
MEI-A9F54332	ACTI9 iC60H C Curve MCB	3	32Amp	
MEI-A9F55202	ACTI9 iC60H D Curve MCB	2	2Amp	
MEI-A9F55204	ACTI9 iC60H D Curve MCB	2	4Amp	
MEI-A9F55206	ACTI9 iC60H D Curve MCB	2	6Amp	
MEI-A9F55210	ACTI9 iC60H D Curve MCB	2	10Amp	
MEI-A9F55216	ACTI9 iC60H D Curve MCB	2	16Amp	
MEI-A9F55220	ACTI9 iC60H D Curve MCB	2	20Amp	
MEI-A9F55225	ACTI9 iC60H D Curve MCB	2	25Amp	
MEI-A9F55232	ACTI9 iC60H D Curve MCB	2	32Amp	
MEI-A9F55302	ACTI9 iC60H D Curve MCB	3	2Amp	
MEI-A9F55304	ACTI9 iC60H D Curve MCB	3	4Amp	
MEI-A9F55306	ACTI9 iC60H D Curve MCB	3	6Amp	
MEI-A9F55310	ACTI9 iC60H D Curve MCB	3	10Amp	
MEI-A9F55316	ACTI9 iC60H D Curve MCB	3	16Amp	
MEI-A9F55320	ACTI9 iC60H D Curve MCB	3	20Amp	
MEI-A9F55325	ACTI9 iC60H D Curve MCB	3	25Amp	
MEI-A9F55332	ACTI9 iC60H D Curve MCB	3	32Amp	

iC60H Circuit Breaker Accessories

Padlock Accessory padlocking device - 18 mm

Part No	Description	Pack Qty	Price
MEI-A9A26970	ACTI9 iC60 Padlock Devise	10	



Vigi iC60 Circuit Breakers

Vigi iC60 - Add On Residual Current Devices for Miniature Circuit Breakers up to 63A

The simplicity of combining Vigi iC60 DIN rail add-on RCDs with iC60 MCBs makes them extremely easy to install.

Class-2 insulation: continuous safety for operators and unqualified personnel.

VISI-TRIP: detects faulty outgoing quickly and reduces intervention time.

Electrically and mechanically connected to iC60 Miniature Circuit-Breakers (MCBs)



Part No	Description	Pack Qty	Price
MEI-A9V02663	ACTI 9 VIGI iC60 63A 2P Vigi Module 30mA	1	
MEI-A9V03663	ACTI 9 VIGI iC60 63A 2P Vigi Module 100mA	1	

Network Accessories

High quality Nexan network equipment and accessories



Part No	Description	Pack Qty
MEI-N424.532	Backbox Single Gang White	1
MEI-N424.533	Backbox Double Gang White	1
MEI-N424.530	Mounting Frame Beveled White 50 x 50(2 Snap-in)	1
MEI-N424.531	Mounting Frame Beveled White 100 x 50(4 Snap-in)	1
MEI-N423.540U	LANmark Angled 50 x 50 Module(2 Snap-in) White	1
MEI-N424.315	LANmark Angled 25 x 50 Module(1 Snap-in) White	1
MEI-N424.103	Blank Module White 25 x 50	1
MEI-N420.550	LANmark-5 Snap-In connector - for Unscreened cable	1
MEI-N420.555	LANmark-5 Snap-In connector - for Screened cable	1
MEI-N420.66A	LANmark-6A Evo Snap-In Connector Category 6A Screened	1
MEI-N420.666	LANmark-6 Evo Snap-In Connector Category 6 Screened	1
MEI-N420.730	LANmark-7 GG45 Connector- for 24 to 22AWG cable	1
MEI-N420.731	LANmark-7 GG45 Connector- for 26AWG cable	1
MEI-N420.567	Tool - Universal Comfort tool for Snap-in connector	1
MEI-N422.117	Tool - LANmark-7 Easy Termination tool	1
MEI-N52M.001	Marine 24 Port Vibration Proof Patch Panel	1

HSS Metric Jobber Drill Bits

Precision hardened, flexible and super sharp, roll forged, HSS twist drills. Excellant quality.

Sold in packs of 10



Part Number	Drill Diameter Ø	Drill Length	Price Per Pack
MEI-DR05	3.0 mm	61 mm	
MEI-DR06	3.5 mm	70 mm	
MEI-DR07	4.0 mm	75 mm	
MEI-DR08	4.5 mm	80 mm	
MEI-DR09	5.0 mm	86 mm	
MEI-DR10	5.5 mm	93 mm	
MEI-DR11	6.0 mm	93 mm	
MEI-DR12	6.5 mm	101 mm	
MEI-DR13	7.0 mm	109 mm	
MEI-DR14	7.5 mm	109 mm	
MEI-DR15	8.0 mm	117 mm	
MEI-DR16	8.5 mm	117 mm	
MEI-DR17	9.0 mm	125 mm	
MEI-DR18	9.5 mm	125 mm	
MEI-DR19	10.0 mm	133 mm	

Cobalt Metric Twist Drill Bits

Particular heat resistant. Excellant Drilling performance even in stainless and other hard steels. Precision ground flutes and diameter for excellant dimensional accuracy. 135 degree split point fully ground angle for precise centering.

Sold in packs of 10



Part Number	Drill Diameter Ø	Price Per Pack
MEI-DRC05	3.0 mm	
MEI-DRC06	3.5 mm	
MEI-DRC07	4.0 mm	
MEI-DRC08	4.5 mm	
MEI-DRC09	5.0 mm	
MEI-DRC10	5.5 mm	
MEI-DRC11	6.0 mm	
MEI-DRC12	6.5 mm	
MEI-DRC13	7.0 mm	
MEI-DRC14	7.5 mm	
MEI-DRC15	8.0 mm	
MEI-DRC16	8.5 mm	
MEI-DRC17	9.0 mm	
MEI-DRC18	9.5 mm	
MEI-DRC19	10.0 mm	

HSS Bimetal Holesaws

High quality and will suit most applications such as steel, iron, cast iron, pipes, non-ferrous metal, plastics, wood & sandwich type material. All Holesaws have a 32mm cutting depth.



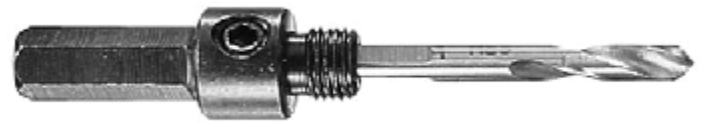
Part Number	Size (mm)	Price	Part Number	Size (mm)	Price
MEI-HLE02	16		MEI-HLE11	32	
MEI-HLE04	19		MEI-HLE13	38	
MEI-HLE05	20		MEI-HLE14	40	
MEI-HLE06	22		MEI-HLE16	51	
MEI-HLE08	25		MEI-HLE17	57	
MEI-HLE10	30		MEI-HLE18	64	
			MEI-HLE68	68	

MEI-HLE01 To MEI-HLE10
To Suit 1/2" x 20 Drive Adaptors

MEI-HLE11 To MEI-HLE23
To Suit 5/8" x 18 Hex Arbour

Drive Adaptor

Drive Adaptors come complete with HSS Pilot Bit Suitable for Holesaws 14mm to 30mm



Part Number	Size	Price Each
MEI-HLEA01	1/2" x 20 Drive Adaptor (9.5mm Hex)	£4.63

Hex Arbour

Pin Drive Hex Arbour comes complete with HSS Pilot Bit. Suitable for Holesaws 32mm to 152mm



Part Number	Size	Price Each
MEI-HLEA03	5/8" x 18 Hex Arbor (11mm Hex)	

HSS Pilot Bit

For use with Drive Adaptors and Hex Arbour



Part Number	Drill Diameter Ø	Drill Length	Price Each
MEI-HLEA08	6.5mm (1/4")	75mm	

Grommets

Rutaseal Grommet Sold in pack of 50

Part No	Size	Price Per Pack
MEI-RS0509M16	M16	
MEI-RS0813M20	M20	
MEI-RS1117M25	M25	



Wiring Grommet Sold in pack of 100

Part No	Size	Price Per Pack
MEI-GRI6W	M16	
MEI-GR20W	M20	
MEI-GR25W	M25	



Blanking Grommet Sold in pack of 100

Part No	Size	Price Per Pack
MEI-GRI6B	M16	
MEI-GR20B	M20	
MEI-GR25B	M25	



Wolf Torches

Wolf Ex certified safety torch.



Requires 4 x AA Batteries (not included)

Part No	Description	Price Each
MEI-TR24	Yellow zone I + 2	
MEI-TR40	LED Yellow zone I + 2	
MEI-TR45	LED Black zone 0	



Connector Strip

Manufactured from clear Polyethylene
Supplied in strips of 12. 10 strips per pack

Part No	Current Rating	Price Per Pack
MEI-CS5	5 Amp	
MEI-CS15	15 Amp	
MEI-CS30	30 Amp	
MEI-CS60	60 Amp	



Batteries

Non-rechargeable batteries.

Part No	Description	Price Per Pack
MEI-DB1	AAA Batteries 4 pk	
MEI-DB2	AA Batteries 4 pk	
MEI-DB3	C Batteries 2 pk	
MEI-DB4	D Batteries 2 pk	
MEI-DB5	PP3 Batteries 1 pk	



Fluorescent Tubes

Sold in packs of 25



Guide to colour temperature

Temperature	3000K	3500K	4000K	6500K
Description	Warm White	White	Cool White	Daylight
Effect	Cosy, Welcoming	Neutral	Clean, Professional	Sterile, Cold
Typical Applications	Reception/ Rest Areas	General Purpose	Office / Production Areas	Toilets, Kitchens

Part No	Description	Colour	Power	Length	Pack Per Price
MEI-L823	T5 Flu Tube	White	835	8w	300mm
MEI-I500	T8 Flu Tube	Cool White	840	18w	604mm
MEI-I501	T8 Flu Tube	Warm White	830	18w	604mm
MEI-I502	T8 Flu Tube	DayLight	865	18w	604mm
MEI-580	T8 Flu Tube	White	835	18w	604mm
MEI-I510	T8 Flu Tube	Cool White	840	36w	1213.6mm
MEI-I511	T8 Flu Tube	Warm White	830	36w	1213.6mm
MEI-I512	T8 Flu Tube	DayLight	865	36w	1213.6mm
MEI-578	T8 Flu Tube	White	835	36w	1213.6mm

Danfoss KP Pressure Switches

KP pressure controls are for use in refrigeration and air conditioning systems to give protection against excessively low suction pressure or excessively high discharge pressure. The controls are also used for starting and stopping refrigeration compressors and fans on air-cooled condensers. KP pressure controls are available in IP 30 and IP 44 enclosures.



KP Pressure Control, Low Pressure

Part No	Conn. Type	Reg. Range	Diff. (bar)	Contact Function	Price Each
MEI-060-110166	Flare	-0.20 - 7.50 bar	0.70 - 4.00 bar	SPDT	
MEI-060-110366	Flare	-0.90 - 7.00 bar	0.70 bar	SPDT	

Dual KP Pressure Control

Part No	Conn. Type	Reg. left (bar) Pe	Reg. right (bar) Pe	Diff. left side (bar)	Diff. right side (bar)	Price Each
MEI-060-000766	Flare Nut	-0.20 - 7.50 bar	8.0 - 32.0 bar	0.70 - 4.00 bar	4.00 bar	
MEI-060-001066	Solder, ODF	-0.20 - 7.50 bar	8.0 - 32.0 bar	0.70 - 4.00 bar	4.00 bar	

KP Spare Parts & Accessories

Part No	Description	Price Each
MEI-060-008666	Front Cover For Single Control	
MEI-060-011366	Front Cover For Dual Control	
MEI-060-109766	Top Cover For Single Control	
MEI-060-109866	Top Cover For Dual Control	
MEI-060-003166	Protective Cap For Single Control	
MEI-060-003266	Protective Cap For Dual Control	
MEI-060-033066	IP55 Enclosure From Single Control	
MEI-060-035066	IP55 Enclosure For Dual Control	



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