

QWL

how to order

QWL heavy duty cylindrical connectors are ordered by Amphenol® part number only. To illustrate the ordering procedure, part number 10-107628-5P is shown as follows:

PART NUMBER
 $\frac{10}{1} - \frac{107}{2} \frac{6}{3} \frac{28-5}{4} \frac{P}{5}$

See code below:

1. Base Number Prefix - used to define contact type and finish.

- 10- Solder type contacts, silver plated (Standard)
- 75- Crimp type contacts, silver plated
- 81- Crimp type contacts, plated .0001 gold over silver
- 82- Crimp type contacts for MIL-C-13777 cable, silver plated
- 83- Crimp type contacts for MIL-C-13777 cable, plated .0001 gold over silver
- 85- Crimp type contacts plated .00005 gold over silver

2. Base Number - QWL Series Heavy Duty Cylindrical Connector.

3. Shell Style -

- 0 designates wall mount receptacle
- 1 designates cable connecting plug
- 2 designates box mount receptacle
- 3 designates jam nut receptacle with rear accessory threads (wall mount)
- 4 designates thru bulkhead receptacle
- 6 designates straight plug
- 7 designates flange mount plug
- 9 designates jam nut receptacle (box mount)

4. Shell Size/Insert Arrangement - Amphenol® QWL connectors are available in equivalent MS shell sizes with all current MS insert arrangements as well as a large selection of special arrangements for power and signal circuits. Select the required insert arrangement number from those shown on pages 18-40.

5. Contact Type/Alternate Insert Rotations - P for pin, S for socket. When an alternate position of the connector insert is required to prevent cross mating of connectors, a different letter (other than P or S) is used. Select from the table below the Amphenol® letter which indicates both type of contact, and insert rotation desired. Refer to page 17 for alternate insert rotations.

PIN CONTACTS		SOCKET CONTACTS	
MS LETTERS	AMPHENOL® LETTER	MS LETTERS	AMPHENOL® LETTER
P	P (normal)	S	S (normal)
PW	G	SW	H
PX	I	SX	J
PY	K	SY	L
PZ	M	SZ	N

QWL

how to order, cont.

ACCESSORIES

Cable Sealing Adapters - these are the basic connector accessories which provide moisture proofing and cable strain relief. Selection is made on the basis of accessory style, shell size and cable dimensions. To illustrate the ordering procedure, part number 10-101335-361 is shown as follows:

PART NUMBER
10 - 101335 - 361
1 2

See code below:

- 1. Accessory Base Number** - refer to pages 41 through 52 for descriptions and dimensional data. 10-101332 designates short barrel length with woven strain relief grip
- 10-101333 designates short barrel length without strain relief
 - 10-101334 designates short barrel length with woven strain relief grip and attaching ring for protection cap with bead chain
 - 10-101335 designates short barrel length with attaching ring for protection cap with bead chain
 - 10-101380 designates short barrel length with attaching ring for protection cap with bead chain and clamp type strain relief bars
 - 10-113637 designates long barrel length with woven strain relief and attaching ring for protection cap with bead chain

2. Part Number – represents connector shell size and range of cable diameters accommodated by the sealing adapter. Refer to the page listed below to determine the part number required for the accessory style being used:

Accessory Series	Page
10-10133X	46 - 48
10-130380	44
10-113637	50 - 52

Cable Clamp 10-749XX-() and Adapter 10-113196-XX

Connectors which require weatherproofing on open wire cables are provided with a moisture seal by this cable clamp, a modification of the MS3057B design. A rubber grommet with holes for individual wires is used in place of the sleeve. As the assembly is tightened, the grommet is compressed around each wire, sealing out moisture.

Order this clamp by the part number listed on page 53 to accommodate the connector being used. Suffix the part number with the connector insert arrangement number.

To attach the cable clamp to the left hand accessory threads of QWL connectors, Adapter 10-113196-XX is needed. Finish is non-conductive Alumilite. Order by adapter part number listed on page 53 to accommodate the connector shell size being used. For a moisture proof seal, unused grommet holes must be filled with the appropriate size sealing plug or sealing rod selected from the table on page 53. Sealing plug or sealing rods must be ordered separately.

M85049/1 Cable Clamp and Adapter 10-113138-XX - order this clamp by the M85049()C part number listed on page 55 to accommodate the cable type being used. To attach the cable clamp to the left hand accessory threads of QWL connectors, Adapter 10-113138-XX is needed. Order by adapter part number listed on page 55 to accommodate the connector shell size being used. Standard finish on the clamp is olive drab, cadmium plate. Adapter finish is non-conductive Alumilite. MS3420-()A sleeve, to facilitate sealing on smaller diameter cables, must be ordered separately. MS3420-()A sleeves may be nested to accommodate smaller cable diameters.

Plug Protection Caps -

- 10-101046-() designates plug cover with chain, Alumilite 225 finish
 - 10-101531-() designates plug cover with chain and eyelet end, Alumilite 225 finish
- Order these plug covers by the part number listed on page 57 for the appropriate connector shell size.

Receptacle Protection Caps -

- 10-101063-() designates receptacle cover with chain, Alumilite 225 finish
 - 10-101048-() designates receptacle cover with chain and eyelet, Alumilite 225 finish
- Order these receptacle covers by the part number listed on page 57 for the appropriate connector shell size.

Flange Gasket -

- 10-36675-() for operating temperature range -67° to +275°F
 - 10-40450-() for operating temperature range 0° to +257°F
- Order by part number listed on page 59 for appropriate connector shell size.

10-183249 Grip Banding Clamp - order this stainless steel clamp by part number listed on page 59 to accommodate cable diameter being used.