

# Cable Connectors

## Barr X Explosion Proof Connector



**424AN Series - for Braided, Plastic & Rubber Jacketed Cables, Inclusive of IEEE 45 Type P Shipboard Cables**

### Features & Benefits

- > Fast, easy installation
- > Large sealing range
- > Space and weight saving
- > Tested to UL & CSA standards
- > For Class I, II & III Division 1 & 2 applications
- > Accepted by 'American Bureau of Shipping' and 'Lloyds Register'
- > Increased hub thread length to comply with new UL2225 requirements

### Technical Information

- > Suitable for Jacketed Marine Shipboard cables - category FDLW
- > CuZn39Pb3 Brass construction with bright autocatalytic nickel coated hubs
- > Connector listed as follows:
  - $\frac{1}{2}$ " to 3  $\frac{1}{2}$ " CSA Class I Groups ABCD, Class II Groups EFG, Class III Type 4X when used with Exane™ armoured and sheathed rig cable
  - $\frac{1}{2}$ " and  $\frac{3}{4}$ " UL Class I Groups ABCD, Class II Groups EFG
  - 1" to 3  $\frac{1}{2}$ " UL Class I Groups CD, Class II Groups EFG
- > Certified II 2GD, EEx e II & EEx d IIC under ATEX directive 94/9/EC.
- > Certificate number Sira04ATEX1080X.
- > Service temperature range -60°C to +90°C.
- > Compound forms barrier around individual cores, so preventing migration of gases through the centre of the cable
- > For use in most climatic conditions, suitable for IP66 and wet locations
- > Full installation instructions supplied

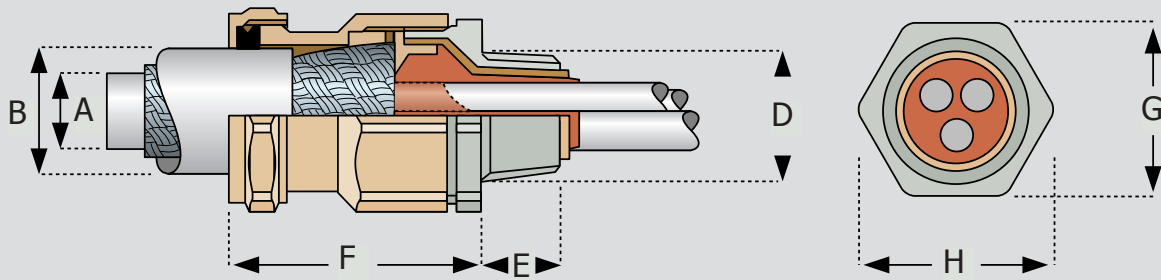


### CONNECTOR CHARACTERISTICS



Marine shipboard cable sealing fitting for use in hazardous locations

# Barr X Explosion Proof Connector



## CONNECTOR SELECTION CHART

Connector Reference		Cable Dimensions Accommodated					Connector Dimensions			
Design Reference	Hub Size NPT (D)	Under Braid Ø (A)		Braid Wire Ø	Over Jacket Ø (B)		Protrusion Length (F)	Hub Length (E)	Hexagon	
		Min.	Max.		Min.	Max.			A/F (G)	A/C (H)
424AN-01	1/2"	-	0.45"	0.008/0.012"	0.32"	0.62"	2.40"	0.84"	1.20"	1.34"
424AN-02	3/4"	-	0.49"	0.008/0.012"	0.46"	0.82"	2.28"	0.85"	1.20"	1.34"
424AN-03	1"	0.45"	0.70"	0.008/0.018"	0.67"	1.07"	2.20"	1.06"	1.48"	1.66"
424AN-04	1 1/4"	0.67"	0.98"	0.012/0.018"	0.75"	1.32"	2.72"	1.09"	1.86"	2.11"
424AN-05	1 1/2"	0.94"	1.24"	0.012/0.018"	1.04"	1.57"	2.76"	1.10"	2.22"	2.42"
424AN-06	2"	1.18"	1.63"	0.012/0.018"	1.41"	2.07"	3.15"	1.14"	2.76"	3.04"
424AN-07	2 1/2"	1.57"	2.12"	0.012/0.018"	1.83"	2.57"	3.31"	1.69"	3.15"	3.44"
424AN-08	3"	2.09"	2.57"	0.012/0.018"	2.28"	3.07"	3.58"	1.75"	3.89"	4.30"
424AN-09	3 1/2"	2.36"	2.91"	0.012/0.018"	2.67"	3.46"	3.98"	1.80"	4.53"	4.96"
424AN-10	1/2"	-	0.45"	0.008/0.018"	0.46"	0.82"	2.28"	0.84"	1.20"	1.34"
424AN-12	3/4"	0.45"	0.70"	0.008/0.018"	0.67"	1.07"	2.24"	0.85"	1.48"	1.66"
424AN-15	1"	0.67"	0.98"	0.012/0.018"	0.75"	1.32"	2.72"	1.06"	1.86"	2.11"

