



Barr-PB Ex d IIC Cable Gland (424TP Series)

SUITABLE FOR USE WITH FOR LEAD SHEATHED OCMA TYPE CABLES

Features and benefits:

- Brass indoor and outdoor cable gland for use in Zone 1 and Zone 2 hazardous areas
- Suitable for circular, galvanized steel single wire armour cables with extruded polymeric oversheath and Lead inner sheath
- Achieves IP66 seal onto cable and to enclosure with suitable sealing washer or thread sealant
- Provides mechanical cable retention and electrical continuity through the armour wire termination
- Provides electrical continuity to the inner lead sheath
- Suitable for most climatic conditions - weatherproof and waterproof
- Standard and Nickel plated versions available
- Full Installation Instructions supplied

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex d IIA, B & C equipment with any volume
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zone 2 with Ex nR II equipment
- Zones 21 & 22 with Extd A21

Technical Information:

Certified II 2GD, Ex e II & Ex d IIC under ATEX directive 94/9/EC

Atex Compliance Standards: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1

Certificate number Sira04ATEX1080X

IECEX Compliance Standards: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1

Certificate number IECEX SIR 10.0072X

Service temperature range -60°C to +90°C

Specifications

Gland Reference				Cable Dimensions mm						Gland Dimensions mm					
Design Reference		Size		Max. Dia. Over Conductors	Max. No. of Conductors	Lead Inner Sheath Ø		Overall Ø (B)		Armour Wire Ø	Entry Thread (D)	Thread Length (E)	Protrusion Length (F)	Hexagon	
Standard	Nickel Plated	Metric	NPT			Min	Max	Min	Max					A/F (G)	A/C (H)
424TP-52	424TP-52V	20S		11.0	30	7	9.5	8.0	15.8	0.9 / 1.25	M20 × 1.5	15	67	30.5	34
424TP-53	424TP-53V	20		11.0	30	8	12.0	11.7	20.8	0.9 / 1.25	M20 × 1.5	15	64	30.5	34
424TP-85*	424TP-85V*	25		16.0	42	11	17.0	17.0	27.2	0.9 / 1.25	M25 × 1.5	15	65	37.6	42.2
424TP-55	424TP-55 V	25		16.0	42	11.0	17.0	17.0	27.2	1.25 / 1.6	M25 × 1.5	15	65	37.6	42.2
424TP-86*	424TP-86V*	32		22.1	60	15.5	23.2	19.0	33.5	1.25 / 1.6	M32 × 1.5	15	77	47.3	53.6
424TP-56	424TP-56V	32		22.1	60	15.5	23.2	19.0	33.5	1.6 / 2.0	M32 × 1.5	15	77	47.3	53.6
424TP-57	424TP-57V	40		28.2	100	22.5	29.0	26.5	39.9	1.6 / 2.0	M40 × 1.5	15	77	56.4	61.5
424TP-89*	424TP-89V*	50		37.1	200	28.5	40.0	36.0	52.6	1.6	M50 × 1.5	15	84	70.1	77.2
424TP-59	424TP-59V	50		37.1	200	28.5	40.0	36.0	52.6	2.0 / 2.5	M50 × 1.5	15	84	70.1	77.2
424TP-61	424TP-61V	63		48.4	400	39.0	51.8	46.5	65.3	2.5	M63 × 1.5	15	90	80	87.4
424TP-63	424TP-63V	75		58.6	400	51.5	64.0	58.0	78.0	2.5 / 3.15	M75 × 1.5	15	96	98.8	109.2
424TP-64	424TP-64V	85		65.8	400	63.0	70.0	68.0	88.0	2.5 / 3.15	M85 × 2	20	108	115	126
424TP-02	424TP-02V	½" -20S		11.0	30	7.0	9.5	8.0	15.8	0.9 / 1.25	½" NPT	21.9	67	30.5	34
424TP-03	424TP-03V	½" -20		11.0	30	8.0	12.0	11.7	20.8	0.9 / 1.25	½" NPT	21.9	64	30.5	34
424TP-35*	424TP-35V*	¾" -25		16.0	42	11.0	17.0	17.0	27.2	0.9 / 1.25	¾" NPT	22.2	65	37.6	42.2
424TP-05	424TP-05V	1" -25		16.0	42	11.0	17.0	17.0	27.2	1.25 / 1.6	¾" NPT	22.2	65	37.6	42.2
424TP-36*	424TP-36V*	1" -32		22.1	60	15.5	23.2	19.0	33.5	1.25 / 1.6	1" NPT	27.5	77	47.3	53.6
424TP-06	424TP-06V	1¼" - 40		22.1	60	15.5	23.2	19.0	33.5	1.6 / 2.0	1" NPT	27.5	77	47.3	53.6
424TP-07	424TP-07V	2" - 50		28.2	100	22.5	29.0	26.5	39.9	1.6 / 2.0	1¼" NPT	28.1	77	56.4	61.5
424TP-39*	424TP-39V*	2" - 50		37.1	200	28.5	40.0	36.0	52.6	1.6	2" NPT	29.4	84	70.1	77.2
424TP-09	424TP-09V	2½" - 63		37.1	200	28.5	40.0	36.0	52.6	2.0 / 2.5	2" NPT	29.4	84	70.1	77.2
424TP-11	424TP-11V	3" - 75		48.4	400	39.0	51.8	46.5	65.3	2.5	2½" NPT	43.4	90	80	87.4
424TP-13	424TP-13V	3" -75		58.6	400	51.5	64.0	58.0	78.0	2.5 / 3.15	3" NPT	45.0	96	98.8	109.2
424TP-14	424TP-14V	3"-81		65.8	400	63.0	70.0	68.0	88.0	2.5 / 3.15	3" NPT	45.0	108	115	126

* Sizes 85, 86, 89, 35, 36 & 39 are designated BARR-PBS and are designed to suit smaller diameter armour wires.

