

## HIGH PERFORMANCE EMC CABLE GLANDS 4965

High performance cable gland to seal your shielded cable at the end both waterproof and EMC



With the 4965 / 4966- High performance EMC cable glands is setting new standards in attenuation values, by its successful certification for Cat. 7A applications. Now these high-quality, EU-approved EMC cable glands have fulfilled the demanding requirements for UL certification and can therefore also be used worldwide.

The spring is making contact in 360° with the screening braid. It combines excellent HP-damping performance and is easy to install with the other system features to reach values greatly in excess of the requirements of EN 50262. Whereas Cat. 7A requirements in accordance with DIN IEC 61156-5 demand at least 60 dB up to 1.000 MHz, our High performance EMC cable glands performs significantly better, attaining values of 65 dB to over 100 dB.

Even in the high frequency range up to 2.5 GHz, the values are typically a minimum of 50 dB. The cable gland also has a very high current-carrying capacity.

The High performance EMC cable glands is available in sizes M16 to M85 in brass, stainless steel 1.4305 and 1.4571 with standard metric threads and 15mm long special threads.

When it comes to installation, High performance EMC cable glands also leads the way: the screening braid is first exposed, then the cable can be simply pushed through the cable gland, which automatically causes the triangular spring to make secure contact around the screening braid, without the pressure screw having to be tightened. The design of the spring precludes its getting caught in the braiding even if the assembly is dismantled.

### GLAND BODY

Material	Execution
Brass	Galv. nickel plated

### SEALING INSERTS

Material	Temperature range min./max.	Color
TPE	-40 °C/+130 °C	Blue

### PART NUMBER & SPECIFICATIONS

	Connection thread/ length		Sealing range	Sealing range without inlet	Sealing range with inlet	Clamping range		Spanner width
Part number	A	D mm	max./min Ømm	max./min Ømm	max./min Ømm	max./min Ømm	Cmm	SW x Emm
4965-12-6.0	M12x1,5	5.0	8.0- 5.0	8.0- 5.0	-	5.0- 3.0	21	17x18,9
4965-16-6.0	M16 x 1.5	6.0	11.0 - 7.0	11.0 - 7.0	-	9.0 - 5.0	25	20 x 22.2
4965-20-6.5	M20 x 1.5	6.5	14.0 - 9.0	14.0 - 9.0	-	12.0 - 7.0	29	24 x 26.5
4965-25-7.5	M25 x 1.5	7.5	20.0 - 11.0	20.0 - 16.0	16.0 - 11.0	16.0 - 10.0	29	30 x 33
4965-32-8.0	M32 x 1.5	8.0	25.0 - 15.0	25.0 - 20.0	20.0 - 15.0	20.0 - 13.0	32	36 x 39.5
4965-40-15	M40 x 1.5	15.0	32.0 - 20.0	32.0 - 20.0	26.0 - 20.0	28.0 - 20.0	35	45 x 48
4965-50-15	M50 x 1.5	15.0	42.0 - 32.0	42.0 - 35.0	35.0 - 32.0	37.0 - 28.0	38	57 x 61
4965-63-20	M63 x 1.5	20.0	54.0 - 42.0	54.0 - 46.0	46.0 - 42.0	46.0 - 37.0	38	68 x 72
4965-75-20	M75 x 1.5	20.0	65.0 - 55.0	65.0 - 58.0	58.0 - 55.0	58.0 - 46.0	48	81 x 87
4965-85-20	M85 x 2.0	20.0	77.0 - 66.0	77.0 - 70.0	70.0 - 66.0	65.0 - 58.0	49	95 x 102

\* Long connection thread 15mm for M12-M32 on request. \* M12 up to M20 are supplied without inlet! M25 up to M50: shorter inlet!

