

HIGH PERFORMANCE EMC CABLE GLANDS 4965 - 4966

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



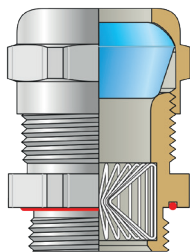
With the 4965 / 4966- High performance EMC cable glands is setting new standards in attenuation values, by its successful certification for Cat. 7A applications. Now these high-quality, EU-approved EMC cable glands have fulfilled the demanding requirements for UL certification and can therefore also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

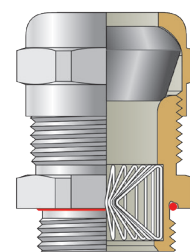
When it comes to installation, High performance EMC cable glands also leads the way: the screening braid is first exposed, then the cable can be simply pushed through the cable gland, which automatically causes the triangular spring to make secure contact around the screening braid, without the pressure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



4965 - HIGH PERFORMANCE EMC CABLE GLANDS

Brass nickel plated high performance EMC cable gland, with metric thread as per EN 60423.

Type of protection: IP 68 (up to 15 bar)



4966 - HIGH PERFORMANCE EMC CABLE GLANDS FOR HIGH TEMPERATURES

Brass nickel plated high performance EMC cable gland, with metric thread as per EN 60423. This High performance EMC cable gland is practically the same as 4965, however, these can withstand higher temperatures.

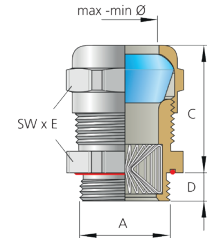
Type of protection: IP 66, IP 68 (up to 15 bar)

» HIGH PERFORMANCE EMC CABLE GLANDS 4965

4965 PART NUMBER

| Part number | Connection thread/length | | Sealing range | Sealing range without inlet | Sealing range with inlet | Clamping range | | Spanner width |
|-------------|--------------------------|------|---------------|-----------------------------|--------------------------|----------------|-----|---------------|
| | 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!



GLAND BODY

| Material | Execution |
|----------|---------------------|
| Brass | Galv. nickel plated |

SEALING INSERTS

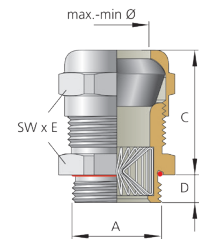
| Material | Temperature range min./max. | Color |
|----------|-----------------------------|-------|
| TPE | -40 °C/+130 °C | Blue |

PART NUMBERS

| Part number | Connection thread/length | | Sealing range | Sealing range without inlet | Sealing range with inlet | Clamping range | | Spanner width |
|-------------|--------------------------|------|---------------|-----------------------------|--------------------------|----------------|-----|---------------|
| | A | D mm | max./min Ømm | max./min Ømm | max./min Ømm | max./min Ømm | Cmm | SW x Emm |
| 4966-16-6.0 | M16 x 1.5 | 6.0 | 11.0 - 7.0 | 11.0 - 7.0 | - | 9.0 - 5.0 | 25 | 20 x 22.2 |
| 4966-20-6.5 | M20 x 1.5 | 6.5 | 14.0 - 9.0 | 14.0 - 9.0 | - | 12.0 - 7.0 | 29 | 24 x 26.5 |
| 4966-25-7.5 | 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 |
| 4966-32-8.0 | 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 |
| 4966-40-15 | M40 x 1.5 | 15.0 | 32.0 - 20.0 | 32.0 - 26.0 | 26.0 - 20.0 | 28.0 - 20.0 | 35 | 45 x 48 |

* Long connection thread 15mm for M12-M32 on request.

* M12 up to M20 are supplied without inlet! M25 up to m50: shorter inlet!



GLAND BODY

| Material | Execution |
|----------|---------------------|
| Brass | Galv. Nickel plated |

SEALING INSERTS

| Material | Temperature range min./max. | Color |
|----------|-----------------------------|-------|
| Silicone | -55 °C/+180 °C | Black |

ORDER EXAMPLE

| Part number | Number |
|--|--|
| 4965 : High performance EMC cable glands | Please choose a number from the table above. For example number 16-1.5-4.0 |
| 4966 : High performance EMC cable glands for high temperatures | |

*Notice

Information supplied in these data sheets is based on independent and laboratory tests which Holland Shielding Systems BV, hereafter referred to as HSS believes to be reliable. HSS has no control over the design of customer's product which incorporates products, therefore it is the responsibility of the user to determine the suitability for his particular application and we recommend that the user make his own test to determine suitability.

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