

| | | Kabel- und Leitungsbezeichnung | IBS 612 | IBS 617 | IBS 614 | S IBS 616 | S IBS 618 | SABIX® IBS 610 | SABIX® IBS 610 FRNC | SABIX® IBL 600 FRNC | IBL 600 | SABIX® IBL 600 | S IBL 605 | S CB 626 | S CB 625 | SABIX® CB 620 | SABIX® CB 620 FRNC | SABIX® CB 624 FRNC C1 | CB 627 | S CB 628 | DR CB 689 P Highflex | |
|------------------------------------|--|--------------------------------|---------|---------|---------|-----------|-----------|----------------|---------------------|---------------------|---------|----------------|-----------|----------|----------|---------------|--------------------|-----------------------|--------|----------|----------------------|---|
| Grund- aufbau | geschirmt | | ● | ● | ● | ● | ● | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Innenmantel | | | | | | | | | | | | | | | | | | | | | |
| Temperaturbereich nicht bewegt* | Kunststofflichtwellenleiter POF | | | | | | | | | | | | | | | | | | | | | |
| | + 180 °C | | | | | | | | | | | | | | | | | | | | | |
| | + 90 °C | | | | | | | | | | | | | | | | | | | | | |
| | + 85 °C | | | | | | | | | | | | | | | | | | | | | |
| | + 80 °C | | | | | | | | | | | | | | | | | | | | | |
| | + 75 °C | | | | | | | | | | | | | | | | | | | | | |
| | + 70 °C | | | | | | | | | | | | | | | | | | | | | |
| | - 30 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | - 40 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | - 50 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| - 90 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| Spannung | Nennspannung 300/500 V | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Betriebsspitzenspannung max. 30 V | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 50 V | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 90 V | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 350 V | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Spannung UL 30 V | | | | | | | | | | | | | | | | | | | | | |
| | Spannung UL bzw. CSA 300 V | | | ● | | | | | | | | | | | | | | | | | | |
| | Spannung UL bzw. CSA 600 V | | | | | | ● | | | | | | | | | | | | | ● | ● | |
| | Prüfspannung 600 V | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 750 V | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 1000 V | | ● | | ● | ● | ● | ● | | | | | | | | | | ● | | | | |
| | Prüfspannung 1500 V | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| Prüfspannung 2000 V | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| Prüfspannung 3000 V | | | | | | | | | | | | | | | | | | | | ● | ● | |
| Normen und Zulassungen | Halogenfreiheit nach IEC 60754-1 + VDE 0482-754-1 | | | | | ● | ● | ● | ● | ● | | ● | ● | | ● | ● | ● | ● | | ● | ● | |
| | Halogenfreiheit für Bahnleitungen | | | | | | | | | | | | | | | | | | | | | |
| | flammschützend und selbstverlöschend nach IEC 60332-1-2 + VDE 0482-332-1-2 | | ● | ● | ● | | ● | | ● | | ● | | | | | | | | | ● | ● | |
| | keine Brandweiterleitung nach IEC 60332-3-24 + IEC 60332-3-25 Cat. C bzw. D | | | | | | | | ● | ● | | | | | | | | ● | ● | | | |
| | keine Brandweiterleitung nach IEC 60332-3-24 + VDE 0482-332-3-24 bzw. IEC 60332-3-25 + VDE 0482-332-3-25 und EN 50305 + VDE 0260-305 Abschnitt 9.1.2 | | | | | | | | | ● | ● | | | | | | | ● | ● | | | |
| | keine Brandweiterleitung nach IEC 60332-3-22 + VDE 0482-332-3-22 Cat. A | | | | | | | | | | | | | | | | | | | | | |
| | Flammwidrigkeit nach ISO 6722 (UN/ECE R118) | | | | | | | | | | | | | | | | | | | | | |
| | UL Horizontal Flame Test FT2 | | | | | | | | | | | | | | | | | | | | | |
| | UL VW1 | | | | | | | | | | | | | | | | | | | | | |
| | nach NF C 32-070 C1 | | | | | | | | | | | | | | | | | | | | | ● |
| | Korrosivität der Brandgase: IEC 60754-2 + VDE 0482-754-2 werden erfüllt - keine Entwicklung von korrosiven Brandgasen | | | | | | | | ● | ● | ● | | ● | | | | ● | ● | ● | | | |
| | Rauchdichte nach IEC 61034 + VDE 0482-1034 | | | | | | | | ● | ● | | | | | | | ● | ● | | | | |
| | Toxizität nach EN 50305 + VDE 0260-305 | | | | | | | | | | | | | | | | | | | | | |
| | UL approbiert | | | ● | | | ● | | | | | | | | | | | | | | ● | ● |
| | CSA approbiert | | | | | | | | | | | | | | | | | | | | | |
| ABS approbiert | | | | | | | | | | | | | | | | | | | | | | |
| Bahnleitung nach EN 45545-2 | | | | | | | | | | | | | | | | | | | | | | |
| Eigenschaften | Ölbeständigkeit nach Werksnorm | | ● | | ● | | | | | | | | | | | | | | | | | |
| | Ölbeständigkeit nach VDE | | | ● | | ● | ● | | | | ● | | ● | ● | ● | | | | | ● | ● | ● |
| | Ölbeständigkeit nach EN | | | | | ● | ● | ● | | | | ● | ● | ● | ● | | | | | ● | ● | |
| | Chemische Beständigkeit | | | | | | | | | | | | B | B | B | | | | | | B | |
| | Wetterbeständigkeit | | C | C | C | A | A | B | B | B | C | B | A | A | A | A | | | | C | A | |
| | Schleppkettenfähigkeit | | | | | ● | ● | | | | | | ● | ● | ● | | | | | | ● | |
| | Torsionswinkel | | | | | | | | | | | | | | | | | | | | | |
| | Flexibilität | | B | B | B | A | A | A | B | B | | | A | A | A | A | B | B | B | B | A | |



A = sehr gut
B = gut
C = mittel

1 = bis zu ± 360°/m
2 = bis zu ± 180°/m

*Temperaturbereich bewegt siehe jeweilige Katalogseite



| | | Kabel- und Leitungsbezeichnung | DN 650 | DN 651 | DN 656 | DN 657 | DN 658 | DN 659 | DN 658 robot cable/Drop | SABIX® PB 630 | SABIX® PB 630 FRNC | PB 630 | PB 631 | PB 636 | PB 637 | PB 639 | PB 635 | S PB 634 | PB 633 | PB 632 | PB 640 | PB 640 UL | S PB 640 | S PB 640 UL | | |
|------------------------------------|------------------------------------|--|--------|--------|--------|--------|--------|--------|-------------------------|---------------|--------------------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|-----------|----------|-------------|---|---|
| Grund- aufbau | geschirmt | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| | Innenmantel | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Kunststofflichtwellenleiter POF | | | | | | | | | | | | | | | | | | | | | ● | ● | ● | | |
| Temperaturbereich nicht bewegt* | + 180 °C | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 90 °C | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 85 °C | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 80 °C | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 75 °C | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 70 °C | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - 30 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | - 40 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | - 50 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | - 90 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| Spannung | Nennspannung 300/500 V | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 30 V | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 50 V | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 90 V | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 350 V | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| | Spannung UL 30 V | | ● | ● | | | | | | | | | | | | | | | | | | | | | | |
| | Spannung UL bzw. CSA 300 V | | | | ● | | | | | | | | | | | | | | | | | | | | | |
| | Spannung UL bzw. CSA 600 V | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 600 V | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 750 V | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 1000 V | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 1500 V | | ● | ● | | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| Prüfspannung 2000 V | | | | ● | | | ● | ● | ● | | | | | | | | | | | | | ● | ● | | | |
| Prüfspannung 3000 V | | | | | | | | | | | | | | | | | | | | | | | ● | | | |
| Normen und Zulassungen | Brennverhalten | Halogenfreiheit nach IEC 60754-1 + VDE 0482-754-1 | | | | | | | | ● | ● | | ● | | | | | | | | | | | | | |
| | | Halogenfreiheit für Bahnleitungen | | | | | | | | | | | | | | | | | | | | | | | | |
| | Eigenschaften | flammschützend und selbstverlöschend nach IEC 60332-1-2 + VDE 0482-332-1-2 | | | | | | | | | ● | ● | | ● | ● | ● | ● | ● | | | ● | ● | ● | ● | ● | |
| | | keine Brandweiterleitung nach IEC 60332-3-24 + IEC 60332-3-25 Cat. C bzw. D | | | | | | | | | | ● | | | | | | | | | | | | | | |
| | | keine Brandweiterleitung nach IEC 60332-3-24 + VDE 0482-332-3-24 bzw. IEC 60332-3-25 + VDE 0482-332-3-25 und EN 50305 + VDE 0260-305 Abschnitt 9.1.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | keine Brandweiterleitung nach IEC 60332-3-22 + VDE 0482-332-3-22 Cat. A | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Flammwidrigkeit nach ISO 6722 (UN/ECE R118) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | UL Horizontal Flame Test FT2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | UL VW1 nach NF C 32-070 C1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Korrosivität der Brandgase: IEC 60754-2 + VDE 0482-754-2 werden erfüllt - keine Entwicklung von korrosiven Brandgasen | | | | | | | | | | ● | ● | | ● | | | | | | | | | | | |
| | | Rauchdichte nach IEC 61034 + VDE 0482-1034 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Toxizität nach EN 50305 + VDE 0260-305 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | UL approbiert | | ● | ● | ● | | ● | ● | ● | | | | | | | | | | | | | | | ● | ● |
| | | CSA approbiert | | | | | | | | | | | | | | | | | | | | | | | | ● |
| ABS approbiert | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahnleitung nach EN 45545-2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eigenschaften | Ölbeständigkeit nach Werksnorm | | | | | | | | | | | ● | | | | | | | | | | | | | | |
| | Ölbeständigkeit nach VDE | | | | | | | | | | | | | | | | | | | | | | | ● | | |
| | Ölbeständigkeit nach EN | | | | | | | | | | | | | | | | | | | | | | | ● | | |
| | Chemische Beständigkeit | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wetterbeständigkeit | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Schleppkettenfähigkeit | | | | | | | | | | | | | | | | | | | | | | | ● | | |
| | Torsionswinkel | | | | | | | | | 2 | | | | | | | | | | | | | | ● | | |
| Flexibilität | | | | | | | | | | | | | | | | | | | | | | | | | | |



A = sehr gut
B = gut
C = mittel

1 = bis zu ± 360°/m
2 = bis zu ± 180°/m

*Temperaturbereich bewegt siehe jeweilige Katalogseite





E
10

| | | Kabel- und Leitungsbezeichnung | PB 642 | S PB 644 | SBP 680 | S SBP 684 Move | S 670 | S 671 | USB 2.0 | USB 2.0 UL | USB 2.0 FRNC | USB 2.0 S | USB 2.0 S UL/CSA | USB 2.0 RT UL/CSA | SABIX® USB 2.0 R flex | USB 3.0 S | USB 3.0 RT | USB 3.0 | USB 3.0 M | |
|------------------------------------|--|--------------------------------|--------|----------|---------|----------------|-------|-------|---------|------------|--------------|-----------|------------------|-------------------|-----------------------|-----------|------------|---------|-----------|---|
| Grund- aufbau | geschirmt | | ● | ● | | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Innenmantel | | | | | | ● | ● | | | | | | | | | | | | |
| Temperaturbereich nicht bewegt* | Kunststofflichtwellenleiter POF | | | | | ● | ● | | | | | | | | | | | | | |
| | + 180 °C | | | | | | | | | | | | | | | | | | | ● |
| | + 90 °C | | | | | | | | | | | | | | | | | | | ● |
| | + 85 °C | | | | | | | | | | | | | | | | | | | ● |
| | + 80 °C | | | | | | | | | | | | | | | | | | | ● |
| | + 75 °C | | | | | | | | | | | | | | | | | | | ● |
| | + 70 °C | | | | | | | | | | | | | | | | | | | ● |
| | - 30 °C | | | | | | | | | | | | | | | | | | | ● |
| | - 40 °C | | | | | | | | | | | | | | | | | | | ● |
| - 50 °C | | | | | | | | | | | | | | | | | | | ● | |
| - 90 °C | | | | | | | | | | | | | | | | | | | ● | |
| Spannung | Nennspannung 300/500 V | | | | | | ● | ● | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 30 V | | | | | | | | | | | | | | | ● | | | | |
| | Betriebsspitzenspannung max. 50 V | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 90 V | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 350 V | | ● | ● | ● | ● | | | ● | ● | ● | ● | ● | ● | | | ● | ● | ● | |
| | Spannung UL 30 V | | | | | | | | | | | | | | | | | | | |
| | Spannung UL bzw. CSA 300 V | | | | | | | | | | ● | | | | | | ● | ● | ● | |
| | Spannung UL bzw. CSA 600 V | | | | | | ● | ● | | | | | | | | | ● | ● | ● | |
| | Prüfspannung 600 V | | | | | | | | | ● | | | | | | ● | | | | |
| | Prüfspannung 750 V | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 1000 V | | | | | | | | | | | | | | | | | | | |
| Prüfspannung 1500 V | | ● | ● | | | | | | | ● | | | | | | | | | | |
| Prüfspannung 2000 V | | | | | | | | | ● | | | | | | | | | | | |
| Prüfspannung 3000 V | | | | | | ● | ● | | | | | | | | | | | | | |
| Normen und Zulassungen | Halogenfreiheit nach IEC 60754-1 + VDE 0482-754-1 | | | ● | ● | | | | ● | ● | ● | | | | | | | | | |
| | Halogenfreiheit für Bahnleitungen | | | | | | | | | | | | | | ● | | | | | |
| | flammschützend und selbstverlöschend nach IEC 60332-1-2 + VDE 0482-332-1-2 | | | | | | ● | ● | | ● | | | | | ● | ● | ● | ● | | |
| | keine Brandweiterleitung nach IEC 60332-3-24 + IEC 60332-3-25 Cat. C bzw. D | | | | | | | | | | | | | | | | | | | |
| | keine Brandweiterleitung nach IEC 60332-3-24 + VDE 0482-332-3-24 bzw. IEC 60332-3-25 + VDE 0482-332-3-25 und EN 50305 + VDE 0260-305 Abschnitt 9.1.2 | | | | | | | | | | | | | | ● | | | | | |
| | keine Brandweiterleitung nach IEC 60332-3-22 + VDE 0482-332-3-22 Cat. A | | | | | | | | | | | | | | | | | | | |
| | Flammwidrigkeit nach ISO 6722 (UN/ECE R118) | | | | | | | | | | | | | | ● | | | | | |
| | UL Horizontal Flame Test FT2 | | | | | | | | | | | | | | | | | | | |
| | UL VW1 | | | | | | | | | | | | | | | | | | | |
| | nach NF C 32-070 C1 | | | | | | | | | | | | | | | | | | | |
| | Korrosivität der Brandgase: IEC 60754-2 + VDE 0482-754-2 werden erfüllt - keine Entwicklung von korrosiven Brandgasen | | | | | | | | | | | | | | | | | | | |
| | Rauchdichte nach IEC 61034 + VDE 0482-1034 | | | | | | | | | | | | | | ● | | | | | |
| | Toxizität nach EN 50305 + VDE 0260-305 | | | | | | | | | | | | | | ● | | | | | |
| | UL approbiert | | | | | | ● | ● | | ● | | | ● | ● | | ● | ● | ● | | |
| CSA approbiert | | | | | | ● | ● | | | | | ● | ● | | | | | | | |
| ABS approbiert | | | | | | | | | | | | | | | | | | | | |
| Bahnleitung nach EN 45545-2 | | | | | | | | | | | | | | ● | | | | | | |
| Eigenschaften | Ölbeständigkeit nach Werksnorm | | ● | | | | | ● | ● | ● | | | | | | | | | | |
| | Ölbeständigkeit nach VDE | | | ● | ● | ● | ● | | | | | | ● | ● | ● | | | | | |
| | Ölbeständigkeit nach EN | | | ● | ● | ● | ● | | | | | | ● | ● | ● | | ● | ● | | |
| | Chemische Beständigkeit | | | | | | | | | | | | | | | | | | | |
| | Wetterbeständigkeit | | C | A | | | | | | | | | | | | | | | | |
| | Schleppkettenfähigkeit | | ● | | ● | | | | | | | | ● | | | | ● | | | |
| | Torsionswinkel | | | | | | | | | | | | | | 2 | | | 1 | | |
| Flexibilität | | | | | | A | | | | | | | | | | | | | | |



A = sehr gut
B = gut
C = mittel

1 = bis zu ± 360°/m
2 = bis zu ± 180°/m

*Temperaturbereich bewegt
siehe jeweilige Katalogseite



| | | Kabel- und Leitungsbezeichnung | PN 662 | S PN 668 | PN 663 | S PN 669 | PN 654 | PN 654 UL | PN 660 | PN 661 | S PN 667 | PN 678 | PN 679 | S PN 681 | DR PN 689 P Highflex | RT PN 668 | PN 668 | S PN 668 Hybrid | |
|------------------------------------|------------------------------------|--|--------|----------|--------|----------|--------|-----------|--------|--------|----------|--------|--------|----------|----------------------|-----------|--------|-----------------|---|
| Grund- aufbau | geschirmt | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Innenmantel | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Kunststofflichtwellenleiter POF | | | | | | | | | | | | | | ● | | | ● | |
| Temperaturbereich nicht bewegt* | + 180 °C | | | | | | | | | | | | | | | | | | |
| | + 90 °C | | | | | | | | | | | | | | | | | | |
| | + 85 °C | | | | | | | | | | | | | | | | | | |
| | + 80 °C | | | | | | | | | | | | | | | | | | |
| | + 75 °C | | | | | | | | | | | | | | | | | | |
| | + 70 °C | | | | | | | | | | | | | | | | | | |
| | - 30 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | - 40 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | - 50 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | - 90 °C | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Spannung | Nennspannung 300/500 V | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 30 V | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 50 V | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 90 V | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 350 V | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Spannung UL 30 V | | | | | | | | | | | | | | | | | | |
| | Spannung UL bzw. CSA 300 V | | | ● | | ● | | ● | | ● | ● | | | | | | ● | ● | |
| | Spannung UL bzw. CSA 600 V | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 600 V | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 750 V | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 1000 V | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 1500 V | | ● | | ● | | ● | | ● | | ● | ● | ● | ● | | ● | | ● | ● |
| Prüfspannung 2000 V | | | ● | | ● | | ● | | ● | ● | | ● | ● | | ● | | ● | ● | |
| Prüfspannung 3000 V | | | | | | | | | | | | | | | | | | | |
| Normen und Zulassungen | Brennverhalten | Halogenfreiheit nach IEC 60754-1 + VDE 0482-754-1 | | ● | | ● | | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| | | Halogenfreiheit für Bahnleitungen | | | | | | | | | | | | | | | | | |
| | Eigenschaften | flammhemmend und selbstverlöschend nach IEC 60332-1-2 + VDE 0482-332-1-2 | | | | | | | | | | | | | | | | | |
| | | keine Brandweiterleitung nach IEC 60332-3-24 + IEC 60332-3-25 Cat. C bzw. D | | | | | | | | | | | | | | | | | |
| | | keine Brandweiterleitung nach IEC 60332-3-24 + VDE 0482-332-3-24 bzw. IEC 60332-3-25 + VDE 0482-332-3-25 und EN 50305 + VDE 0260-305 Abschnitt 9.1.2 | | | | | | | | | | | | | | | | | |
| | | keine Brandweiterleitung nach IEC 60332-3-22 + VDE 0482-332-3-22 Cat. A | | | | | | | | | | | | | | | | | |
| | | Flammwidrigkeit nach ISO 6722 (UN/ECE R118) | | | | | | | | | | | | | | | | | |
| | | UL Horizontal Flame Test FT2 | | | | | | | | | | | | | | | | | |
| | | UL VW1 nach NF C 32-070 C1 | | | | | | | | | | | | | | | | | |
| | | Korrosivität der Brandgase: IEC 60754-2 + VDE 0482-754-2 werden erfüllt - keine Entwicklung von korrosiven Brandgasen | | | | | | | | | | | | | | | | | |
| | | Rauchdichte nach IEC 61034 + VDE 0482-1034 | | | | | | | | | | | | | | | | | |
| | | Toxizität nach EN 50305 + VDE 0260-305 | | | | | | | | | | | | | | | | | |
| | | UL approbiert | | | ● | | ● | | ● | | ● | | | | | | | | ● |
| CSA approbiert | | | | | | | | | | | | | | | | | | | |
| ABS approbiert | | | | | | | | | | | | | | | | | | | |
| Bahnleitung nach EN 45545-2 | | | | | | | | | | | | | | | | | | | |
| Eigenschaften | Ölbeständigkeit nach Werksnorm | | ● | ● | | ● | ● | | | | | ● | | | | | | | |
| | Ölbeständigkeit nach VDE | | | | ● | ● | | | | | ● | | ● | ● | ● | ● | ● | ● | |
| | Ölbeständigkeit nach EN | | | | ● | ● | | | | | ● | | ● | ● | ● | ● | ● | ● | |
| | Chemische Beständigkeit | | | | | | | | | | | | | | | | | | |
| | Wetterbeständigkeit | | | | | | | | | | | | | | | | | | |
| | Schleppkettenfähigkeit | | | ● | | ● | | | | | | ● | | | ● | | | | |
| | Torsionswinkel | | | | | | | | | | | | | | | 1 | 1 | 2 | |
| Flexibilität | | | | | | | | | | | | | | | | | | | |



A = sehr gut
B = gut
C = mittel

1 = bis zu ± 360°/m
2 = bis zu ± 180°/m

*Temperaturbereich bewegt
siehe jeweilige Katalogseite



| | | Kabel- und Leitungsbezeichnung | CATLine CAT 6 S | CATLine CAT 6A S | CATLine CAT 6 RT | CATLine CAT 6A RT | CATLine CAT 6A HT | CATLine CAT 7A S | CATLine CAT 7A RT | CATLine CAT 5e DR | CATLine CAT 6A DR | CATLine CAT 7A DR | CATLine SPE C-Track | CATLine SPE Robot | CATLine SPE HT | CATLine SPE Rugged | CATLine CAT 5e R | CATLine CAT 6A R | CATLine CAT 7A R | CATLine CAT 5e R flex | CATLine CAT 6A R flex | CATLine CAT 7A R flex | CATLine CAT 5e BL | CATLine CAT 6A BL | CATLine CAT 7A BL | | |
|------------------------------------|------------------------------------|--|-----------------|------------------|------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|---------------------|-------------------|----------------|--------------------|------------------|------------------|------------------|-----------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|--|--|
| Grund- aufbau | geschirmt | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| | Innenmantel | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperaturbereich nicht bewegt* | Kunststofflichtwellenleiter POF | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 180 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 90 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 85 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 80 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 75 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | + 70 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - 30 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - 40 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - 50 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 90 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spannung | Nennspannung 300/500 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 30 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 50 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 90 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Betriebsspitzenspannung max. 350 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Spannung UL 30 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Spannung UL bzw. CSA 300 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Spannung UL bzw. CSA 600 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 600 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 750 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 1000 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prüfspannung 1500 V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prüfspannung 2000 V | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prüfspannung 3000 V | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Normen und Zulassungen | Brennverhalten | Halogenfreiheit nach IEC 60754-1 + VDE 0482-754-1 | • | • | | | | • | • | • | | | • | • | | | | | | | | | | | | | |
| | | Halogenfreiheit für Bahnleitungen | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Brennverhalten | flammhemmend und selbstverlöschend nach IEC 60332-1-2 + VDE 0482-332-1-2 | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| | | keine Brandweiterleitung nach IEC 60332-3-24 + IEC 60332-3-25 Cat. C bzw. D | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | keine Brandweiterleitung nach IEC 60332-3-24 + VDE 0482-332-3-24 bzw. IEC 60332-3-25 + VDE 0482-332-3-25 und EN 50305 + VDE 0260-305 Abschnitt 9.1.2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | keine Brandweiterleitung nach IEC 60332-3-22 + VDE 0482-332-3-22 Cat. A | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Flammwidrigkeit nach ISO 6722 (UN/ECE R118) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | UL Horizontal Flame Test FT2 | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| | | UL VW1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | nach NF C 32-070 C1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Korrosivität der Brandgase: IEC 60754-2 + VDE 0482-754-2 werden erfüllt - keine Entwicklung von korrosiven Brandgasen | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Rauchdichte nach IEC 61034 + VDE 0482-1034 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Toxizität nach EN 50305 + VDE 0260-305 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UL approbiert | • | • | • | • | • | • | | | | | | | • | • | • | | | | | | | | | | | | |
| CSA approbiert | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| ABS approbiert | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahnleitung nach EN 45545-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eigenschaften | Ölbeständigkeit nach Werksnorm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ölbeständigkeit nach VDE | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ölbeständigkeit nach EN | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| | Chemische Beständigkeit | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wetterbeständigkeit | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Schleppkettenfähigkeit | • | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Torsionswinkel | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Flexibilität | | | | | | | | | | | | | | | | | | | | | | | | | | |



A = sehr gut
B = gut
C = mittel

1 = bis zu ± 360°/m
2 = bis zu ± 180°/m

*Temperaturbereich bewegt siehe jeweilige Katalogseite