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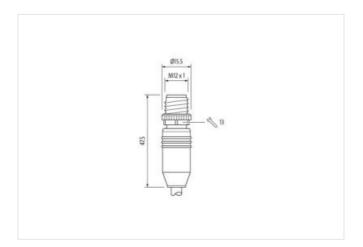
M12 male 0° / M12 female 0°

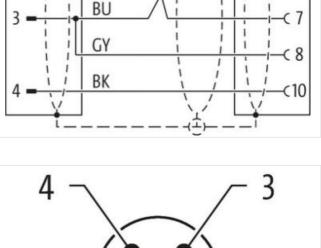
PUR 5x0.25 shielded gy drag chain 1,5m

Power supply cable (+ trigger & encoder) for Cognex and Zebra cameras M12 A-coded 12P straight <> M12 A-coded 5P straight Male straight – female straight Special pin assignment partly used shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

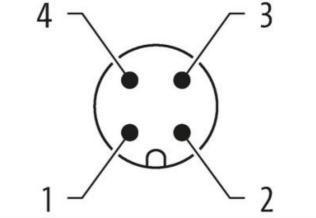






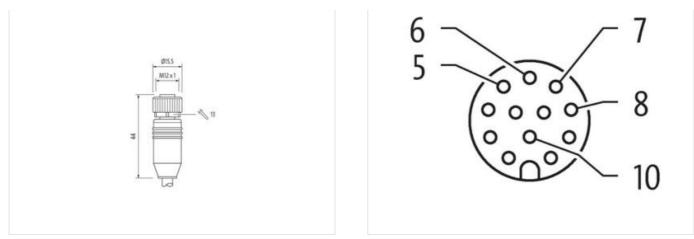
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Product may differ from Image



Cable length	1,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Gender	male
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Gender	female
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
	27060311

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ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909000458
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	2 A
Diagnostics	
Status indication LED	no
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	a screwed
Rated surge voltage	5 0.8 kV
Material group (IEC 60664-1)	
Machanical data	•
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Color housing	black
Color contact carrier	green
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
•	-25 °C
Operating temperature min. Operating temperature max.	-25 ℃
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	290
Jacket Color	gray
Amount stranding	1
Stranding	5 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece
Filler	yes

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Material jacket PUR Shore hardness jacket B5 4 5 Brore A Freedom tiom ingeliants (jacket) 5 mm Outer-diameter (jacket) 5 mm Tolerance outer diameter (health) 1 5 % Material inner jacket PVC Color (more jacket) 9 ray Material inner jacket PVC Color (more jacket) 9 ray Material inner jacket PVC Color (more jacket) 9 ray Material inner jacket PVC Outer diameter insulation 1.05 mm Outer diameter insulation 45 Shore D Ingredient freemess wire insulation 45 Shore D Ingredient freemess wire insulation 45 Shore D Onder drameter fore decomper wire, bare Conductor racessection (wire) Odar drameter decomper wire, bare Conductor wire Conductor wire Strand Case 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Normal voltage AC max. 350 V Current Load capacity (standard) 10 DIN VDE 0284.4 Current Load capacity (standard) 10 NI VDE 029	wire arrangement	brown, gray, blue, black, white
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer diameter (jacket) 1 5 % Matarial innor jacket PVC Oolor (inner jacket) gray Material innor jacket PVC Oolor (inner jacket) gray Material wei insulation TFE-E Anourt wies 5 Outer diameter insulation 1,05 mm Outer diameter insulation 4 5 Shore D Ingredient freeness wire insulation 4 5 Shore D Conductor orspsection (wire) 0.25 mm ² Contract torsite ingredient (standard) to DIN VDE 0298-4 Current load capacity (int writ) 1 KV @ 6 0 s <t< td=""><td>Cable weigth</td><td>44 g/m</td></t<>	Cable weigth	44 g/m
Freedom from lingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-dimeter (jacket) 5 mm Tolerano outer dimeter (health) 5 % Material inner jacket PVC Color (mer jacket) gray Material vire insulation TFE-E Annout vires 5 Outer dimeter insulation 1,05 mm Outer dimeter insulation 45 Shore D Ingredient freeness wire insulation 92 Nm ³ Material voring (wire) 32 Diameter of single wires 0,1 nm Conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C+track) 5 % Q 2 S c1 horizontal Nominal voltage AC max. 350 V Current toad capacity (min wire 34 A Characteristic impedance 75 Ω ± 15 % Q 1 MH ¹ x Electric inductivity ine constant wire 79.0 Ω Km Q 20 °C	Material jacket	PUR
Outer diameter (jacket)5 mmTolerance outer diameter (jacket) \pm 5 %Material iner jacketPVCColor (inner jacket)grayMaterial iner jacket)grayMaterial wire insulationTPE-EAnount wires5Outer diameter insulation1,05 mmOuter diameter insulation45 S/s Dore DIngredient freeness wire insulation45 S/s Dore DIngredient freeness wire insulationlead free, CFC-free, halogen-freeAnnount strands (wire)32Diameter of single wires0.1 mmConductor crosssection (wire)0.25 mm²Conductor viresStranded copper wire, bareConductor vireStranded copper wire, bareConductor vireStranded cosper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)D.DIN VDE 0298-4Current load capacity (standard)D.B. MHAmElectrical resistanceNore MarkElectrical capacity line constant (wire - wire)1.KV @ 60 sElectrical capacity line constant (wire - wire)1.KV @ 60 sLoop resi	Shore hardness jacket	85 ± 5 Shore A
Tolerance outler diameter (sheath) \pm 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation TPE-E Annount wires 5 Ouler diameter insulation 1,05 mm Outer diameter insulation 45 % Shore hardness wire insulation 45 % Manuent strands (wire) 32 Diameter of single wires 0.1 mm Canductor crossection (wire) 0.25 mm ² Material conductor wire Stranded copper wire, bare Canductor vipae (wire) strande copper wire, bare Canductor vipae (wire) stranded copper wire, bare Canductar predarce 75 Ω ± 15 % Θ 1 MHz	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Material inner jacket PVC Color (inner jacket) gray Material vine insulation TPE-E Amount wires 5 Outer diameter insulation 1.05 mm Outer diameter insulation 45 Shore D Shore hardness wire insulation 45 Shore D Ingredient treeness wire insulation 45 Shore D Ingredient treeness wire insulation 162 Tree, CPC-tree, halogen-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm ² Conductor rows Strande docoper wire, bare Conductor vire Strande docoper wire, bare Conductor vire Strande docoper wire, bare Conductor vire Strande coper wire, bare Controt toad capacity (tandard) to DN VDE 0298-4 Current toad capacity (tandard) to DN VDE 0298-4 Current toad capacity (ine constant wire 75.0 ± 15 % @ 1 MHz	Outer-diameter (jacket)	5 mm
Color (inner jacket) gray Material wire insulation TPE E Amount wires 5 Outer diameter insulation 1.05 mm Outer diameter insulation 4.5 % Shore hardness wire insulation 4.5 % Shore hardness wire insulation 164 % Impedient freeness wire insulation 164 % Coluct diameter tolerance core insulation 45 % Shore hardness wire insulation 164 % Conduct corsesses wire insulation 0.25 mm ² Diameter of single wires 0.1 mm Conductor type (wire) Strande copper wire, bare Conductor type (wire) strand class 6 Traversing distange (C-track) 5 m Q 25 % C horizontal Nominal voltage AC max. 350 V Current load capacity (standard) to DIN VDE 028+4 Current load capacity min. wire 3.4 A Characteristic impedance 75 $\Omega \pm 15 % \oplus 1 MHz$ Electrical capacity line constant (wire - %) 50000 pF/km Electrical capacity line constant (wire - %) 50000 pF/km Electrical capacity line constant (wire - %) 50000 pF/km </td <td>Tolerance outer diameter (sheath)</td> <td>±5%</td>	Tolerance outer diameter (sheath)	±5%
Material wire insulationTPE-EAmount wires5Outer diameter insulation1,05 mmOuter diameter locarace core insulation45 %Shore hardness wire insulation45 Shore DIngredient freeness wire insulationiead-free, CFC-free, halogen-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crossection (wire)0,25 mm²Material conductor wireStrande dosper wire, bareConductor go (wire)0,25 mm²Material conductor wireStrand class 6Traversing distance (C-rack)5 m @ 25 °C horizontalNomini and voltage AC max.350 VCurrent load capacity min. wire3,4 ACharacteristic impedance75 Ω ± 15 % @ 1 MHzCharacteristic impedance75 Ω ± 15 % @ 1 MHzElectrical resistance line constant wire79,9 D/km @ 20 °CAC withstand voltage (wire - wire)1 kV @ 60 sElectrical capacity line constant (wire - shied)1 kV @ 60 sLocaretard capacity line constant (wire - shied)1 kV @ 60 sLocaretard capacity line constant (wire - shied)1 kV @ 60 sLocaretard capacity line porstant (locaretard)70 °COperating temperature (local)70 °COperating temperature (locaretard)70 °COperating temperature (locaretard)70 °COperating temperature (locaretard)70 °COperating temperature (locaretard)70 °COperating temperature max. (dynamic)70 °COperating temperature max. (dynamic)70 °C	Material inner jacket	PVC
Amount wires 5 Outer diameter insulation 1.05 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.25 mm ³ Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298.4 Current load capacity (standard) to DIN VDE 0298.4 Current load capacity line constant (wire wire) 1.4 V @ 60 s Electrical capacity line constant (wire - wire) <td>Color (inner jacket)</td> <td>gray</td>	Color (inner jacket)	gray
Outer diameter insulation 1.05 mm Outer diameter tolerance core insulation 45 % Shore hardness wire insulation 45 Shore D Impredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 350 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity ine constant wire 79.9 0/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electric inductivity line constant (wire - wire) 5000 pF/km Electric inductivity line con	Material wire insulation	TPE-E
Quter diameter tolerance core insulation \pm 5 %Shore hardness wire insulation45 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount stands (wire)32Diameter of single wires0,1 mmConductor crossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m $@$ 25 °C horizontalNominal voltage AC max.350 VCurrent load capacity (standard)to DIN VDE 208-4Current load capacity (standard)to DIN VDE 208-4Current load capacity (standard)to DIN VDE 208-4Current load capacity (wire)3,4 ACharacteristic impedance75 Q ± 15 % @ 1 MHzElectrical resistance line constant wire79,9 D km @ 20 °CAC withstand voltage (wire - wire)1 kV @ 60 sElectrical resistance line constant (wire - wire)1 kV @ 60 sElectrical resistance20 MQ × kmMin. operating temperature (static)40 °CAc withstand voltage (wire - shield)1 kV @ 60 sLoop resistance20 % COperating temperature (static)70 °CParating temperature (static)70 °CParating temperature (static)70 °CParating temperature min. (dynamic)20 °COperating temperature min. (dynamic)70 °CParating temperature min. (dynamic)70 °CParating temperature min. (dynamic)70 °CParating temperature min. (dynamic)70 °C </td <td>Amount wires</td> <td>5</td>	Amount wires	5
Shore hardness wire insulation 45 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diametor of single wires 0,1 mm Conductor crossection (wire) 0,25 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-frack) 5 m @ 25 °C horizontal Nominal voltage AC max. 350 V Current load capacity (standard) to DIN VDE 0288-4 Caracteristic impedance 75 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79.9 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 KV @ 60 s Electrical capacity line constant (wire - wire) 1 KV @ 60 s Electrical capacity line constant (wire - shield) 1 85000 pF/km Power frequency withstand voltage (wire - shield) 1 KV @ 60 s AC withstand voltage (wire - shield) 1 KV @ 60 s	Outer diameter insulation	1,05 mm
Ingredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m $@ 25 °C$ horizontalNominal voltage AC max.350 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (min. wire3,4 ACharacteristic impedance75 $\Omega \pm 15 \% @ 1$ MHzElectrical resistance line constant wire79.9 Ω km @ 20 °CA withstand voltage (wire · wire)1 kV @ 60 sElectrical capacity line constant (wire · wire)50000 pF/kmElectrical capacity line constant (wire · shield)1 kV @ 60 sLoop resistance20 MQ × kmMin. operating temperature (static)40 °CMax. operating temperature (static)40 °CMax. operating temperature (static)70 °COperating temperature (static)70 °COperating temperature (static)70 °COperating temperature (static)70 °CCharacter cessicanceGood, application-related testingGascien resistanceGood, application-related testingGascien resistanceGood, application-related testingGascien resistanceGood, application-related testingGascien resistanceDiN EN 68011-404	Outer diameter tolerance core insulation	±5%
Amount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalNominal voltage AC max.350 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,4 ACharacteristic impedance75 Ω ± 15 % @ 1 MHzElectrical resistance line constant wire79,9 Ω km @ 20 °CAC withstand voltage (wire - wire)1 kV @ 60 sElectrical capacity line constant (wire - shield)185000 pF/kmElectrical capacity line constant (wire - shield)185000 pF/kmElectrical capacity line constant (wire - shield)1 kV @ 60 sLoop resistance20 M $\Omega \times$ kmMin. operating temperature (static)4 0 °CMax. operating temperature (kicke)70 °COperating temperature min. (dynamic)20 °COperating temperature min. (dynamic)70 °COperating	Shore hardness wire insulation	45 Shore D
Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 350 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3.4 A Characteristic impedance 75 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79.9 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrici naductivity line constant 0.8 mH/km Electrical capacity line constant (wire - shield) 185000 pF/km Power frequency withstand voltage (wire - shield) 1 kV @ 60 s Loop resistance 20 MQ × km Min. operating temperature (fixed) 70 °C Operating temperature (fixed) 70 °C Flame resistance EleC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor orossection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 350 V Current load capacity (standard) to DIN VDE 0298-4 Carrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Catrica traisitione 0.8 mH/km Electrical capacity line constant (wire - wire) 50000 pF/km Electrical capacity line constant (wire - shield) 1 kV @ 60 s Loop resistance 20 MQ × km	Amount strands (wire)	32
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Craversing distance (C-track) $5 m @ 25 °C$ horizontalNominal voltage AC max. $350 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to MHzElectrical resistance line constant wire $79, 9 \Omega$ km @ 20 °CAC withstand voltage (wire - wire)1 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmElectrical capacity line constant (wire - shield)1 kV @ 60 sLoop resistance20 MQ × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (ixed)70 °COperating temperature (ixed)70 °COperating temperature (ixed)70 °CCoperating temperature (ixed)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track) $5 m @ 25 °C$ horizontalNominal voltage AC max. $350 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Characteristic impedance $75 \Omega \pm 15 \% @ 1$ MHzElectrical resistance line constant wire $79, 9 \Omega km @ 20 °C$ AC withstand voltage (wire - wire)1 kV @ 60 sElectrical capacity line constant (wire - wire) $5000 pF/km$ Electrical capacity line constant (wire - wire) $50000 pF/km$ Power frequency withstand voltage (wire - jacket) $1 kV @ 60 s$ Lop resistance $20 N \Omega \times km$ Min. operating temperature (static) $40 °C$ Max. operating temperature (static) $40 °C$ Max. operating temperature (static) $70 °C$ Operating temperature max. (dynamic) $70 °C$ Flame resistanceEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDN EN 60811-404 Good, application-related testingOil resistanceDN EN 60811-404 Good, application-related testing<	Conductor crosssection (wire)	0,25 mm ²
Traversing distance (C-track)5 m @ 25 °C horizontalNominal voltage AC max.350 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,4 ACharacteristic impedance75 $\Omega \pm 15$ % @ 1 MHzElectrical resistance line constant wire79,9 Ω /km @ 20 °CAC withstand voltage (wire - wire)1 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmElectrical capacity line constant (wire - shield)185000 pF/kmPower frequency withstand voltage (wire - shield)1 kV @ 60 sLop resistance20 M\Omega × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature max. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceOpod, application-related testingGasoline resistanceOpod, application-related testingBending radius (dynamic)7,5 × Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.350 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,4 ACharacteristic impedance75 Ω ± 15 % @ 1 MHzElectrical resistance line constant wire79,9 Ω/km @ 20 °CAC withstand voltage (wire - wire)1 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmElectrical capacity line constant (wire - wire)50000 pF/kmElectrical capacity line constant (wire - shield)185000 pF/kmElectrical capacity (with stand voltage (wire - jacket)1 kV @ 60 sCorrestance20 MQ × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-20 °COperating temperature (fixed)70 °COperating temperature (min. (dynamic))-20 °COperating temperature min. (dynamic)70 °CFlame resistanceElect 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 80811-404 Good, application-related testingBending radius (dynamic)7.5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	Conductor type (wire)	strand class 6
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,4 ACharacteristic impedance75 Ω ± 15 % @ 1 MHzElectrical resistance line constant wire79,9 Ω/km @ 20 °CAC withstand voltage (wire - wire)1 kV @ 60 sElectric inductivity line constant0,8 mH/kmElectrical capacity line constant (wire - wire)50000 pF/kmElectrical capacity line constant (wire - shield)185000 pF/kmPower frequency withstand voltage (wire - aire)1 kV @ 60 sAC withstand voltage (wire - shield)1 kV @ 60 sAC withstand voltage (wire - shield)1 kV @ 60 sLoop resistance20 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (isked)70 °COperating temperature (isked)70 °COperating temperature min. (dynamic)-20 °COperating temperature (static)-60 °GFlame resistanceElec Go322-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (dynamic)7,5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C horizontal
Current load capacity min. wire3,4 ACharacteristic impedance $75 \Omega \pm 15 \% @ 1 MHz$ Electrical resistance line constant wire $79,9 \Omega/km @ 20 °C$ AC withstand voltage (wire - wire) $1 kV @ 60 s$ Electric inductivity line constant $0,8 mH/km$ Electrical capacity line constant (wire - wire) $50000 pF/km$ Electrical capacity line constant (wire - shield) $185000 pF/km$ Power frequency withstand voltage (wire - alcohor with the constant voltage (wire - alcohor with th	Nominal voltage AC max.	350 V
Characteristic impedance $75 \Omega \pm 15 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $79, 9 \Omega/\text{km} @ 20 °C$ AC withstand voltage (wire - wire) $1 \text{ kV} @ 60 \text{ s}$ Electric inductivity line constant 0.8 mH/km Electrical capacity line constant (wire - wire) 50000 pF/km Electrical capacity line constant (wire - shield) 185000 pF/km Power frequency withstand voltage (wire - jacket) $1 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1 \text{ kV} @ 60 \text{ s}$ Loop resistance $20 \text{ M}\Omega \times \text{ km}$ Min. operating temperature (static) $-40 °C$ Max. operating temperature (static) $-40 °C$ Operating temperature min. (dynamic) $-20 °C$ Operating temperature max. (dynamic) $70 °C$ Flame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (dynamic) $7.5 \times \text{ Outer diameter}$ Travel speed (C-track) 2 Min. @ 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 79,9 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electric inductivity line constant 0,8 mH/km Electrical capacity line constant (wire - wire) 50000 pF/km Electrical capacity line constant (wire - shield) 185000 pF/km Power frequency withstand voltage (wire - jacket) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Loop resistance 20 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Ori raviel speed (C-track) 2 Mio. @ 25 °C	Current load capacity min. wire	3,4 A
AC withstand voltage (wire - wire)1 kV @ 60 sElectric inductivity line constant0,8 mH/kmElectrical capacity line constant (wire - wire)50000 pF/kmElectrical capacity line constant (wire - shield)185000 pF/kmPower frequency withstand voltage (wire - jacket)1 kV @ 60 sAC withstand voltage (wire - stated)1 kV @ 60 sLoop resistance20 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)70 °COperating temperature max. (dynamic)-20 °COperating temperature max. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingTavel speed (C-track)2 Mio. @ 25 °C	Characteristic impedance	75 Ω ± 15 % @ 1 MHz
Electric inductivity line constant 0,8 mH/km Electrical capacity line constant (wire - wire) 50000 pF/km Electrical capacity line constant (wire - shield) 185000 pF/km Power frequency withstand voltage (wire - jacket) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Loop resistance 20 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 7,5 × Outer diameter Travel speed (C-track) 2 Mio. @ 25 °C	Electrical resistance line constant wire	79,9 Ω/km @ 20 °C
Electrical capacity line constant (wire - wire)50000 pF/kmElectrical capacity line constant (wire - shield)185000 pF/kmPower frequency withstand voltage (wire - jacket)1 kV @ 60 sAC withstand voltage (wire - shield)1 kV @ 60 sLoop resistance20 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistance7,5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	AC withstand voltage (wire - wire)	1 kV @ 60 s
Electrical capacity line constant (wire - shield)185000 pF/kmPower frequency withstand voltage (wire - jacket)1 kV @ 60 sAC withstand voltage (wire - shield)1 kV @ 60 sLoop resistance20 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (ixed)70 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (dynamic)7,5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	Electric inductivity line constant	0,8 mH/km
Power frequency withstand voltage (wire - jacket)1 kV @ 60 sAC withstand voltage (wire - shield)1 kV @ 60 sLoop resistance20 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (dynamic)7,5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	Electrical capacity line constant (wire - wire)	50000 pF/km
jacket)FkV @ 60 sAC withstand voltage (wire - shield)1 kV @ 60 sLoop resistance20 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (dynamic)7,5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	Electrical capacity line constant (wire - shield)	185000 pF/km
Loop resistance20 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingFlame resistance2 Mio. @ 25 °C	Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingPanding radius (dynamic)7,5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	AC withstand voltage (wire - shield)	1 kV @ 60 s
Max. operating temperature (fixed)70 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingTravel speed (C-track)2 Mio. @ 25 °C	Loop resistance	20 MΩ × km
Operating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (dynamic)7,5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 7,5 x Outer diameter Travel speed (C-track) 2 Mio. @ 25 °C	Max. operating temperature (fixed)	70 °C
Flame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (dynamic)7,5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	Operating temperature min. (dynamic)	-20 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 7,5 x Outer diameter Travel speed (C-track) 2 Mio. @ 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 7,5 x Outer diameter Travel speed (C-track) 2 Mio. @ 25 °C	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 7,5 x Outer diameter Travel speed (C-track) 2 Mio. @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (dynamic)7,5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °C	Gasoline resistance	Good, application-related testing
Travel speed (C-track) 2 Mio. @ 25 °C	Oil resistance	DIN EN 60811-404 Good, application-related testing
	Bending radius (dynamic)	7,5 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	2 Mio. @ 25 °C
	Torsion stress	± 180 °/m

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20