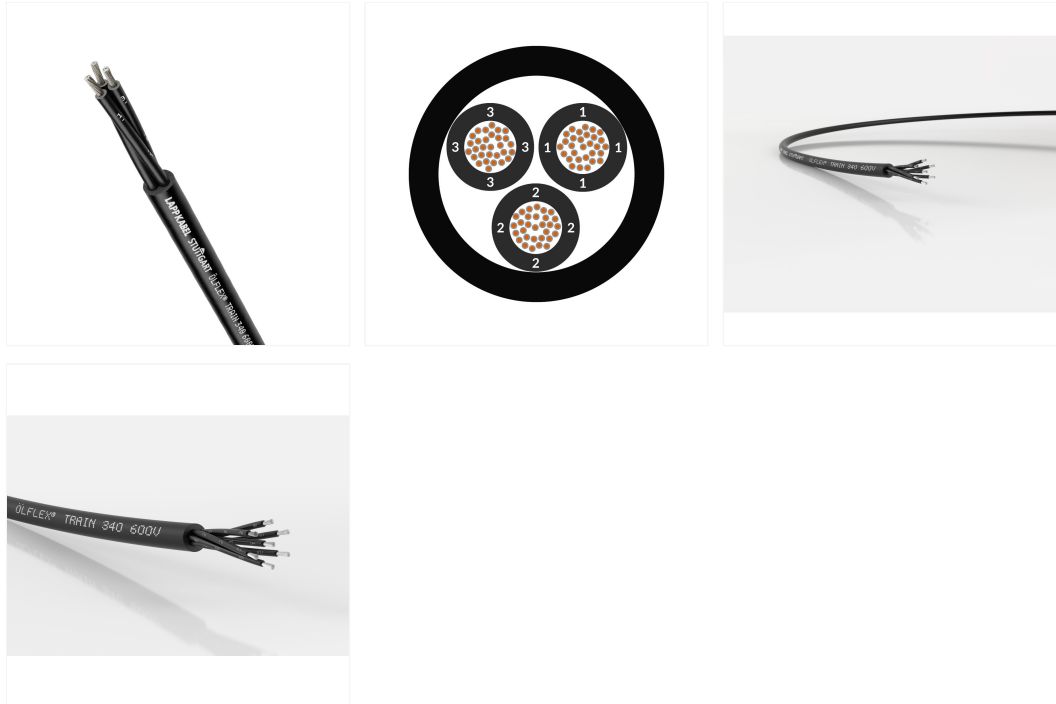


**ÖLFLEX® TRAIN 340 600V 3G1,5**
**Article No.:** 15340025

Railway cable; 3G1.5; EN 50264-3-2; Type MM;  $U_0/U$ : 0,6/1 kV; -40 - 120 °C; Electron-beam cross-linked polymer compound;


**CE**

**Details**
**Notes**

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

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**Remarks**

EN45545-2

**Technical Data**
**General information**

Brand	ÖLFLEX®
Product type	Railway cable
Copper index	290.29 lb/10000 ft
Industry segment	Rolling Stock

**Electrical parameters**

Nominal voltage	$U_0/U$ : 0,6/1 kV AC rms / DC according to IEC
Maximum operating voltage $U_m$	1,2 kV AC
test voltage	3.5 kV
Current rating according to	EN 50355
Short-circuit temperature [5s]	200 °C

**Product design**

Type designation for rolling stock cables	Type MM
Cable dimension	3G1.5
Nominal cross section conductor (mm <sup>2</sup> )	1.5 mm <sup>2</sup>
Conductor material	Tin-plated Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	Yes
Number of cores	3
Stranding type	Layered Stranding
Shielded	No
Nominal outer diameter	0.311 in
Cable form	Round
Core insulation base material	Electron-beam cross-linked polymer compound
Basic material of outer jacket	Electron-beam cross-linked polymer compound

Outer jacket color	black
Core identification	Numbers
Conductor color code	EN 50334 VDE 0293-1

**Product features**

Application area	Fixed Installation
Minimum bending radius, stationary	4 x outer diameter
Minimum bending radius in inch, fixed installation	1.244 in
Temperature, fixed installation	-40 °C to 120 °C max. conductor temperature -50 °C according to GOST
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2 IEC 60332-3-25 NF-C 32-070 (C1) NF-C 32-070 (C2) NF-F 16-101 (A1) NF-F 16-101 (A2) NF-F 16-101 (B) NF-F 16-101 (C)
low smoke density according to	EN 50264-1 IEC 61034-2 NF X 10-702
low toxicity of combustion gases	EN 50264-1 EN 50305 NF X 70-100
Corrosiveness of combustion gases according to	EN 50264-1 IEC 60754-2
UV-resistant	Yes
UV-resistant according to	EN 50525-1 (cables with a black jacket are suitable for permanent outdoor use)
Ozone-resistant	Yes
ozone resistant according to	EN 50264-3-1, method B EN 50305
Chemical resistant	Yes
Acid-resistant	Yes

Acid-resistant according to	EN 50264-3-1
Alkali resistant	Yes
Alkali-resistant according to	EN 50264-3-1
Halogenfree	Yes
Halogen-free according to	IEC 60754-1 EN 60684-2
Oil resistant	Yes
Oil resistance according to	EN 50264-3-1
Fuel-resistant	Yes
Fuel-resistant according to	EN 50264-3-1

#### Certifications and standards

CE marking	Yes
EAC certified	Not required
EAC certification number	Отказное письмо № 62, 04276
VDE certified	No
Resistance to flame propagation tested according to UN/ECE-R118	No
Tested for fire protection for railway vehicles	Yes
Fire protection for railway vehicles hazard level	EN 45545-2 HL1 EN 45545-2 HL2 EN 45545-2 HL3
Standard for railway vehicles	EN 50264-3-2

**ÖLFLEX® TRAIN 340 600V**

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter	Copper index
15340000	ÖLFLEX® TRAIN 340 600V 2X1,5	2	No	1.5 mm <sup>2</sup>	0.291 in	193.53 lb/10000 ft
15340001	ÖLFLEX® TRAIN 340 600V 3X1,5	3	No	1.5 mm <sup>2</sup>	0.311 in	290.29 lb/10000 ft
15340002	ÖLFLEX® TRAIN 340 600V 4X1,5	4	No	1.5 mm <sup>2</sup>	0.339 in	387.06 lb/10000 ft
15340003	ÖLFLEX® TRAIN 340 600V 2X2,5	2	No	2.5 mm <sup>2</sup>	0.323 in	322.55 lb/10000 ft
15340004	ÖLFLEX® TRAIN 340 600V 3X2,5	3	No	2.5 mm <sup>2</sup>	0.343 in	483.82 lb/10000 ft
15340005	ÖLFLEX® TRAIN 340 600V 4X2,5	4	No	2.5 mm <sup>2</sup>	0.378 in	645.09 lb/10000 ft
15340006	ÖLFLEX® TRAIN 340 600V 2X4	2	No	4 mm <sup>2</sup>	0.378 in	516.08 lb/10000 ft
15340007	ÖLFLEX® TRAIN 340 600V 3X4	3	No	4 mm <sup>2</sup>	0.402 in	774.11 lb/10000 ft
15340008	ÖLFLEX® TRAIN 340 600V 4X4	4	No	4 mm <sup>2</sup>	0.449 in	1032.15 lb/10000 ft
15340009	ÖLFLEX® TRAIN 340 600V 2X6	2	No	6 mm <sup>2</sup>	0.425 in	774.11 lb/10000 ft
15340010	ÖLFLEX® TRAIN 340 600V 3X6	3	No	6 mm <sup>2</sup>	0.453 in	1161.17 lb/10000 ft
15340011	ÖLFLEX® TRAIN 340 600V 4X6	4	No	6 mm <sup>2</sup>	0.512 in	1548.05 lb/10000 ft
15340012	ÖLFLEX® TRAIN 340 600V 2X10	2	No	10 mm <sup>2</sup>	0.52 in	1290.19 lb/10000 ft
15340013	ÖLFLEX® TRAIN 340 600V 3X10	3	No	10 mm <sup>2</sup>	0.551 in	1935.28 lb/10000 ft
15340014	ÖLFLEX® TRAIN 340 600V 4X10	4	No	10 mm <sup>2</sup>	0.606 in	2580.37 lb/10000 ft
15340015	ÖLFLEX® TRAIN 340 600V 2X16	2	No	16 mm <sup>2</sup>	0.598 in	2064.3 lb/10000 ft
15340016	ÖLFLEX® TRAIN 340 600V 3X16	3	No	16 mm <sup>2</sup>	0.638 in	3096.45 lb/10000 ft
15340018	ÖLFLEX® TRAIN 340 600V 2X25	2	No	25 mm <sup>2</sup>	0.748 in	3225.47 lb/10000 ft
15340019	ÖLFLEX® TRAIN 340 600V 3X25	3	No	25 mm <sup>2</sup>	0.795 in	4838.2 lb/10000 ft
15340025	ÖLFLEX® TRAIN 340 600V 3G1,5	3	Yes	1.5 mm <sup>2</sup>	0.311 in	290.29 lb/10000 ft
15340026	ÖLFLEX® TRAIN 340 600V 4G1,5	4	Yes	1.5 mm <sup>2</sup>	0.339 in	387 lb/10000 ft
15340027	ÖLFLEX® TRAIN 340 600V 3G2,5	3	Yes	2.5 mm <sup>2</sup>	0.343 in	483.82 lb/10000 ft
15340028	ÖLFLEX® TRAIN 340 600V 4G2,5	4	Yes	2.5 mm <sup>2</sup>	0.378 in	645.09 lb/10000 ft
15340050	ÖLFLEX® TRAIN 340 600V 2x0,75	2	No	0.75 mm <sup>2</sup>	0.24 in	96.76 lb/10000 ft
15340051	ÖLFLEX® TRAIN 340 600V 4x0,75	4	No	0.75 mm <sup>2</sup>	0.276 in	193.53 lb/10000 ft
15340052	ÖLFLEX® TRAIN 340 600V 7x0,75	7	No	0.75 mm <sup>2</sup>	0.335 in	338.67 lb/10000 ft
15340054	ÖLFLEX® TRAIN 340 600V 12x0,75	12	No	0.75 mm <sup>2</sup>	0.449 in	580.58 lb/10000 ft
15340060	ÖLFLEX® TRAIN 340 600V 2x1	2	No	1 mm <sup>2</sup>	0.252 in	129.02 lb/10000 ft
15340061	ÖLFLEX® TRAIN 340 600V 4x1	4	No	1 mm <sup>2</sup>	0.291 in	258.04 lb/10000 ft
15340062	ÖLFLEX® TRAIN 340 600V 7x1	7	No	1 mm <sup>2</sup>	0.35 in	451.57 lb/10000 ft

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter	Copper index
15340063	ÖLFLEX® TRAIN 340 600V 9x1	9	No	1 mm <sup>2</sup>	0.449 in	580.58 lb/10000 ft
15340064	ÖLFLEX® TRAIN 340 600V 12x1	12	No	1 mm <sup>2</sup>	0.472 in	774.11 lb/10000 ft
15340065	ÖLFLEX® TRAIN 340 600V 19x1	19	No	1 mm <sup>2</sup>	0.571 in	1225.68 lb/10000 ft
15340066	ÖLFLEX® TRAIN 340 600V 24x1	24	No	1 mm <sup>2</sup>	0.661 in	1548.22 lb/10000 ft
15340067	ÖLFLEX® TRAIN 340 600V 32x1	32	No	1 mm <sup>2</sup>	0.744 in	2064.3 lb/10000 ft
15340068	ÖLFLEX® TRAIN 340 600V 37x1	37	No	1 mm <sup>2</sup>	0.783 in	2386.85 lb/10000 ft
15340070	ÖLFLEX® TRAIN 340 600V 7x1,5	7	No	1.5 mm <sup>2</sup>	0.417 in	677.35 lb/10000 ft

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