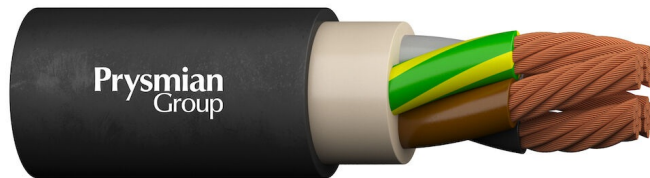


OZOFLEX_H07RN-F_VG95218T13A

Rubber-insulated cables and lines in acc. with VG 95218 part 13A



Suitable for use in dry, humid or moist rooms and outdoor for transportable motors or machines on building sites or in agricultural works. Medium mechanical stresses, e.g. for industrial and agricultural workshop appliances, large boiling installations, heating plates, inspection lamps, electric tools such as drills, circular saws, domestic electric tools. Can be used in workshops having an explosive atmosphere. When a cable is used in the presence of explosive or flammable atmosphere, guidance should be respected with reference to EN 60079 series of specifications and guidance should be sought in selecting the suitable cables. Applicable in fixed installations e.g. on rough-cast in temporary buildings for accommodation purposes, also for wiring of constructional components in lifting appliances and machinery. In other aspects the specifications of DIN VDE 0298 part 300 apply. Oil resistant to EN 60811-404. Resistant to ozone (EN 50363-1 for insulation and EN 50363-2-1 for the outer sheath).

STANDARDS / APPROVALS



VG 95218-13
VG 95218-2
VG 95218-2

Application
Chemical behaviour
Fire performance

CABLE DESIGN

Conductor	round stranded, tinned copper wires acc. to. class 5 of IEC 60228
Core insulation material	EPR rubber
Material inner sheath	EPR rubber
Material outer sheath	Chlorinated polyethylene (CM/CPE)

ELECTRICAL PARAMETERS

Rated voltage U ₀ /U (Um)	450/750 V
Test voltage [kV]	2.5

THERMAL PARAMETERS

Max. conductor temperature [°C]	60
Ambient temperature fix installation (min) [°C]	-25
Laying temperature (min) [°C]	-40

CHEMICAL PARAMETERS

Flame retardant	In accordance with EN/IEC 60332-1-2
Oil resistant	acc. IEC/EN 60811-404

MECHANICAL PARAMETERS

Permanent tensile strength (rule)	15 N/mm ²
Bending radius (rule)	fixed: D ≤ 8 = 3 D; 8 < D ≤ 12 = 3 D; 12 < D ≤ 20 = 4 D; D > 20 = 4 D flexible: D ≤ 8 = 5 D; 8 < D ≤ 12 = 5 D; 12 < D ≤ 20 = 6 D; D > 20 = 6 D

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CABLE PROPERTIES

Basic construction	SAP code	External code	Diameter conductor [mm]	Cable diameter (min) [mm]	Cable diameter (max) [mm]	Cable weight [kg/km]
1X1,5	20006329	T013A020	1.5	5.7	6.7	100
1X2,5	20003787	T013A021	1.9	6.2	7.2	120
1X4	20003788	T013A022	2.4	7.2	8.2	90
1X6	20003790	T013A023	2.9	7.9	9.2	120
1X10	20003792	T013A024	3.9	9.7	10.7	190
1X16	20003793	T013A025	4.9	10.8	13	250
1X25	20003794	T013A026	6.3	12.8	14	410
1X35	20003795	T013A027	7.4	14.3	15.3	470
1X50	20003796	T013A028	8.8	16.5	17.8	660
1X95	20003798	T013A030	12.2	21	22.3	1,230
1X120	20003799	T013A031	14.2	23.4	24.5	1,450
1X185	20003801	T013A069	17.9	27.6	29.8	2,120
1X240	20015049	T013A067	20.6	30.6	32.9	2,684
1X300	20008215	T013A068	23.4	33.5	37	3,315
2X1	20003803	T013A009	1.3	7.7	9	90
2X1,5	20003806	T013A032	1.5	8.6	10	140
2X2,5	20003808	T013A033	1.9	10.2	11.5	200
2X4	20003809	T013A034	2.4	11.8	13	250
3G1	20003812	T013A037	1.3	8.3	9.5	140
3G1,5	20003814	T013A010	1.5	9.2	10.3	160
3G2,5	20003816	T013A038	1.9	10.9	12.2	230
3G4	20003818	T013A039	2.4	12.7	14	310
3G6	20003819	T013A041	2.9	14.1	15.5	400
3G10	20003820	T013A043	3.9	19.6	21	710
3G16	20003821	T013A044	4.9	22.3	23.5	980
4G1	20003825	T013A046	1.3	9.2	10.6	170
4G1,5	20003826	T013A047	1.5	10.2	11.5	200
4G2,5	20003828	T013A048	1.9	12.1	13.2	280
4G4	20003830	T013A049	2.4	14	15.2	390
4G6	20003832	T013A050	2.9	15.7	17	490
4G10	20003834	T013A051	3.9	21.3	22.5	930
4G16	20003835	T013A052	4.9	24.3	25.5	1,230
4G25	20003836	T013A053	6.3	29.2	31	1,800

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CABLE PROPERTIES

Basic construction	SAP code	External code	Diameter conductor [mm]	Cable diameter (min) [mm]	Cable diameter (max) [mm]	Cable weight [kg/km]
4G35	20003837	T013A054	7.4	32.5	34.3	2,300
4G50	20003838	T013A055	8.8	37.7	40.3	3,200
4G70	20003839	T013A056	10.7	42.7	45.2	4,120
4G95	20003840	T013A057	12.2	48.4	51.7	5,430
5G1,5	20003845	T013A012	1.5	11.3	12.4	270
5G2,5	20003847	T013A013	1.9	13.3	14.4	370
5G4	20003849	T013A014	2.4	15.6	16.6	610
5G6	20003851	T013A015	2.9	17.5	18.2	780
5G10	20003853	T013A016	3.9	23.6	24.7	1,300
5G16	20003856	T013A017	4.9	26.7	28.4	1,750
5G25	20003857	T013A018	6.3	32	33.5	2,700
5G35	20003858	T013A019	7.4	35.7	37.9	3,100
5G50	20003859	T013A058	8.8	41.8	44.2	4,320
5G120	20026079	T013A059	14.2	58.5	61.5	9,220
7X1,5	20344599	T013A008	1.5	14.7	15.7	440

CABLE PROPERTIES ELECTRIC

Basic construction	SAP code	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
1X1,5	20006329	T013A020	16.5	0.24
1X2,5	20003787	T013A021	22	0.4
1X4	20003788	T013A022	30	0.64
1X6	20003790	T013A023	38	0.95
1X10	20003792	T013A024	53	1.59
1X16	20003793	T013A025	71	2.54
1X25	20003794	T013A026	94	3.98
1X35	20003795	T013A027	117	5.57
1X50	20003796	T013A028	148	7.95
1X95	20003798	T013A030	185	15.11
1X120	20003799	T013A031	300	19.08
1X185	20003801	T013A069	341	29.42
1X240	20015049	T013A067	407	38.16
1X300	20008215	T013A068	468	47.7
2X1	20003803	T013A009	15	0.16
2X1,5	20003806	T013A032	18.5	0.24
2X2,5	20003808	T013A033	25	0.4
2X4	20003809	T013A034	34	0.64
3G1	20003812	T013A037	15.5	0.16
3G1,5	20003814	T013A010	19.5	0.24
3G2,5	20003816	T013A038	26	0.4
3G4	20003818	T013A039	35	0.64
3G6	20003819	T013A041	44	0.95
3G10	20003820	T013A043	62	1.59
3G16	20003821	T013A044	82	2.54
4G1	20003825	T013A046	13	0.16
4G1,5	20003826	T013A047	16	0.24
4G2,5	20003828	T013A048	22	0.4
4G4	20003830	T013A049	30	0.64
4G6	20003832	T013A050	37	0.95
4G10	20003834	T013A051	52	1.59
4G16	20003835	T013A052	69	2.54
4G25	20003836	T013A053	92	3.98

CABLE PROPERTIES ELECTRIC

Basic construction	SAP code	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
4G35	20003837	T013A054	114	5.57
4G50	20003838	T013A055	143	7.95
4G70	20003839	T013A056	178	11.13
4G95	20003840	T013A057	210	15.11
5G1,5	20003845	T013A012	16.5	0.24
5G2,5	20003847	T013A013	23	0.4
5G4	20003849	T013A014	30	0.64
5G6	20003851	T013A015	38	0.95
5G10	20003853	T013A016	54	1.59
5G16	20003856	T013A017	71	2.54
5G25	20003857	T013A018	94	3.98
5G35	20003858	T013A019	116	5.57
5G50	20003859	T013A058	146	7.95
5G120	20026079	T013A059	215	19.08
7X1,5	20344599	T013A008	17	0.24

The values of current carrying capacity and short circuit current are valid for the power cores, one cable in permanent operation with DC or AC with 50 up to 60 Hz at 30 °C ambient temperature, free in air; single core cables bundled to a triad

For deviating ambient temperature a correction factor must be applied:

Temp. °C	30	35	40	45	50	55
F	1	0,91	0,82	0,71	058	0,41