

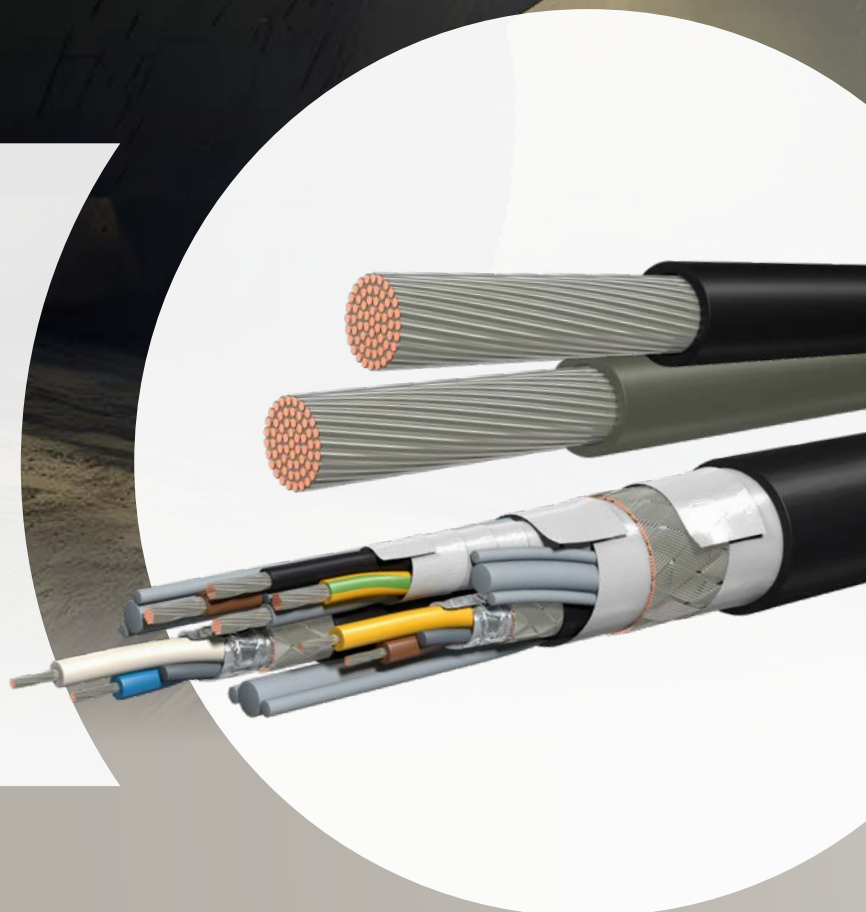


FELTEN

WIRE & CABLE SOLUTIONS

BizLink

*The new cable generation
for Land Defense Applications*



Defense

With a focus on the **Land Defense** market, BizLink provides the customer with all the expertise of a global enterprise, focused on the needs of armed forces worldwide.



BizLink – Your strong partner

With an extensive portfolio of products and services, BizLink will assist you across the entire lifecycle of your projects – worldwide.

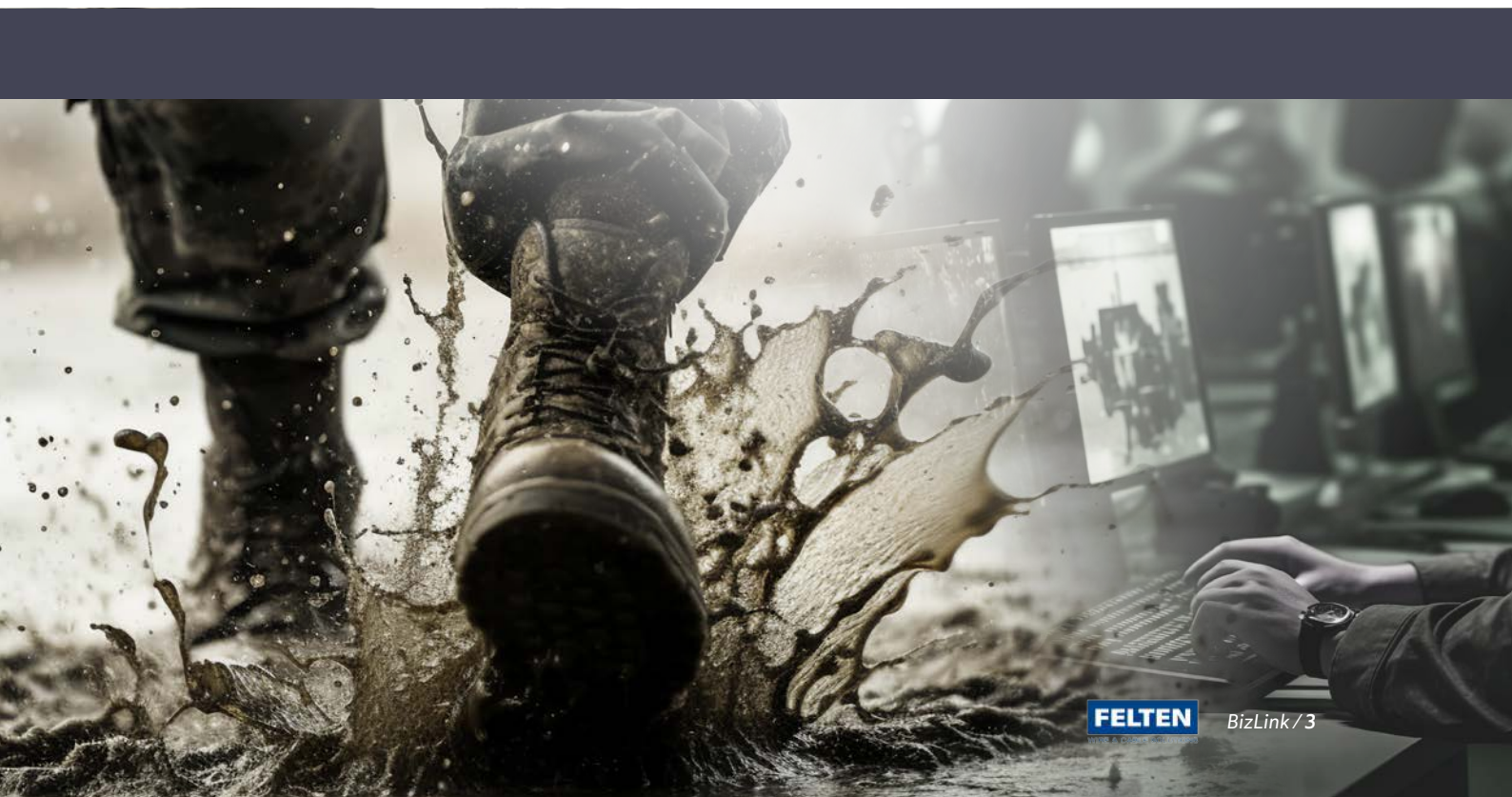
BizLink offers cables and cable systems meeting national and international standards as well as also customized application-specific requirements.

Innovative quality products, prove and project-related systems solutions as well as highest availability and sustainable service management are inherent for BizLink.

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Land Defense product line		
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BizLink product line *the new cable generation*

Our innovative cable solutions for land defense applications are ideal for installation in tanks and all types of military vehicles. The product range includes single wires, twisted wire groups, screened twisted wire groups and cables.

Solutions acc. to VG 95218

With our product line for land defense applications, we meet the unique requirements of manufacturers and users within armed forces worldwide. Our cables and cable systems are characterized by exceptional durability, ensuring a long service life while facilitating effortless installation or repair in the event of damage during operation.

Many of our cables align closely with national military standards, such as the German military standard VG (Verteidigungsgerätenorm), either directly referencing these standards or designed with close connections to them.

We have the capability to provide products, manufactured in our own production plants, according to the following standards

- **VG 95218 part 7** (customized solutions)
- **VG 95218 part 20A** (single wires)
- **VG 95218 part 20P** (single wires)
- **VG 95218 part 21F** (twisted wire groups)
- **VG 95218 part 23G** (twisted screened wire groups)
- **VG 95218 part 28C&E** (screened cables)
- **VG 95218 part 31** (several types of communication cables)
- **VG 95218 part 32** (cables with additional ADR approval)
- **VG 95218 part 101** (coaxial cables)



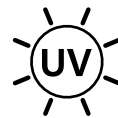
oil resistant



halogen-free



fire resistant



UV resistant

Highest quality and availability in cables

Typical characteristics of our halogen-free cable solutions >

- Operating life-time of minimum 20,000 hours
- Toxicity index lower than 5*
- Fire resistant
- Non-corrosive in case of fire*
- Low smoke density in case of fire*
- Highly oil-resistant*

* not valid for cables VG 95218TO29 G-M



Introducing our latest product line, according to **VG 95218 part 32** standards >

These cables undergo rigorous testing to meet the high requirements of German military standards and are additionally approved by ISO standards for the safe transportation of dangerous goods on all roads.

Furthermore, the cables have ADR approval, making BizLink the standout manufacturer in Germany.

*ADR

Accord européen relatif au transport international des marchandises Dangereuses par Route.

Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße.

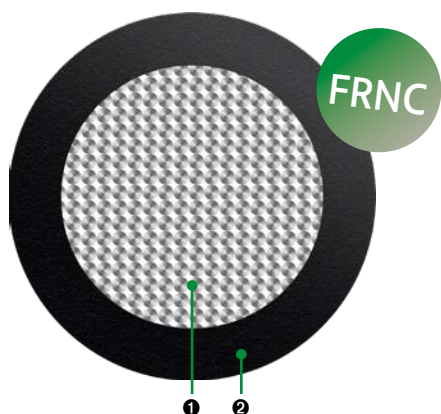
Agreement concerning the International Carriage of Dangerous Goods by Road.

We are able to customize cables and cable systems with various VG-approved components as well as with elements that comply with national or international standards.

In addition, we offer a variety of customized cable designs specifically developed for soldiers' personal equipment.

Installation wire hook-up

acc. to VG 95218 part 20P



Application & characteristics

The wiring lines are distinguished by their halogen free features and an improved behavior in case of fire. In this case the generating of corrosive and toxic fission products is down to a minimum and the light transparency is at least 75 %.

Operating temperature > **-55 °C** up to **+105 °C**

Max. voltage > AC 600 V / DC 900 V

Construction

- ❶ Core > conductor with fine stranded wires
- ❷ Insulation > the insulation material has a high resistance against many types of oil, grease, lubricants and other chemical materials.

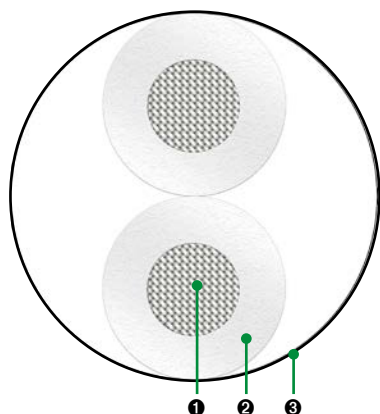
Color codes for installation wire, hook-up

Type description		Colors Part No. acc. to VG95218T020 BizLink part No.										
nom. mm ²	AWG	black 0	brown 1	red 2	orange 3	yellow 4	green 5	blue 6	violet 7	grey 8	white 9	yellow/ green G
0.15	26	P120 ESL 016090	P121 ESL 016091	P122 ESL 016092	P123 ESL 016093	P124 ESL 016094	P125 ESL 016095	P126 ESL 016096	P127 ESL 016097	P128 ESL 016098	P129 ESL 016089	P12G ESL 016099
0.25	24	P010 ESL 016126	P011 ESL 016127	P012 ESL 016128	P013 ESL 016129	P014 ESL 016130	P015 ESL 016131	P016 ESL 016132	P017 ESL 016133	P018 ESL 016134	P019 ESL 016025	P01G ESL 016135
0.4	22	P020 ESL 016138	P021 ESL 016139	P022 ESL 016140	P023 ESL 016141	P024 ESL 016142	P025 ESL 016143	P026 ESL 016144	P027 ESL 016145	P028 ESL 016146	P029 ESL 016137	P02G ESL 016147
0.5	21	P030 ESL 016198	P031 ESL 016199	P032 ESL 016200	P033 ESL 016201	P034 ESL 016202	P035 ESL 016203	P036 ESL 016204	P037 ESL 016205	P038 ESL 016206	P039 ESL 016197	P03G ESL 016207
0.6	20	P040 ESL 016114	P041 ESL 106115	P042 ESL 016116	P043 ESL 016117	P044 ESL 016118	P045 ESL 016119	P046 ESL 016120	P047 ESL 016121	P048 ESL 016122	P049 ESL 016113	P04G ESL 016123
0.75	19	P050 ESL 016102	P051 ESL 016103	P052 ESL 016104	P053 ESL 016105	P054 ESL 016106	P055 ESL 016107	P056 ESL 016108	P057 ESL 016109	P058 ESL 016110	P059 ESL 016101	P05G ESL 016111
1.0	18	P060 ESL 016209	P061 ESL 016210	P062 ESL 016211	P063 ESL 016212	P064 ESL 016213	P065 ESL 016214	P066 ESL 016215	P067 ESL 016216	P068 ESL 016217	P069 ESL 016208	P06G ESL 016218
1.2	16	P070 ESL 016150	P071 ESL 016151	P072 ESL 016152	P073 ESL 016153	P074 ESL 016154	P075 ESL 016155	P076 ESL 016156	P077 ESL 016157	P078 ESL 016158	P079 ESL 016149	P07G ESL 016159
1.5	15	P080 ESL 016220	P081 ESL 016221	P082 ESL 016222	P083 ESL 016223	P084 ESL 016224	P085 ESL 016225	P086 ESL 016226	P087 ESL 016227	P088 ESL 016228	P089 ESL 016219	P08G ESL 016229
2.0	14	P090 ESL 016162	P091 ESL 016163	P092 ESL 016164	P093 ESL 016165	P094 ESL 016166	P095 ESL 016167	P096 ESL 016168	P097 ESL 016169	P098 ESL 016170	P099 ESL 016161	P09G ESL 016171
2.5	13	P100 ESL 016174	P101 ESL 016175	P102 ESL 016176	P103 ESL 016177	P104 ESL 016178	P105 ESL 016179	P106 ESL 016180	P107 ESL 016181	P108 ESL 016182	P109 ESL 016173	P10G ESL 016183
3.0	12	P110 ESL 016186	P111 ESL 016187	P112 ESL 016188	P113 ESL 016189	P114 ESL 016190	P115 ESL 016191	P116 ESL 016192	P117 ESL 016193	P118 ESL 016194	P119 ESL 016185	P11G ESL 016195
4.0	12	P130 ESL 024074	P131 ESL 024075	P132 ESL 024076	P133 ESL 024077	P134 ESL 024078	P135 ESL 024079	P136 ESL 024080	P137 ESL 024081	P138 ESL 024082	P139 ESL 024083	P13G ESL 024084
6.0	10	P140 ESL 024085	P141 ESL 024086	P142 ESL 024087	P143 ESL 024088	P144 ESL 024089	P145 ESL 024090	P146 ESL 024091	P147 ESL 024092	P148 ESL 024093	P149 ESL 024094	P14G ESL 024095
10	8	P150 ESL 024097	P151 ESL 024098	P152 ESL 024099	P153 ESL 024100	P154 ESL 024101	P155 ESL 024102	P156 ESL 024103	P157 ESL 024104	P158 ESL 024105	P159 ESL 024106	P15G ESL 024107
16	6	P160 ESL 025172	P161 ESL 025173	P162 ESL 025174	P163 ESL 025175	P164 ESL 025176	P165 ESL 025177	P166 ESL 025178	P167 ESL 025179	P168 ESL 025180	P169 ESL 025181	P16G ESL 025183
25	4	P170 *	P171 *	P172 *	P173 *	P174 *	P175 *	P176 *	P177 *	P178 *	P179 ESL 026483	P17G *
35	2	P180 *	P181 *	P182 *	P183 *	P184 *	P185 *	P186 *	P187 *	P188 *	P189 ESL 026484	P18G *
50		P190 *	P191 *	P192 *	P193 *	P194 *	P195 *	P196 *	P197 *	P198 *	P199 ESL 028682	P19G *
70		P200 ESL 028685	P201 *	P202 *	P203 *	P204 *	P205 *	P206 *	P207 *	P208 *	P209 *	P20G *
95		P210 ESL 028684	P211 *	P212 *	P213 *	P214 *	P215 *	P216 *	P217 *	P218 *	P219 ESL 028683	P21G *
120		P220 ESL 028717	P221 *	P222 *	P223 *	P224 *	P225 *	P226 *	P227 *	P228 *	P229 *	P22G *
150		P230 *	P231 *	P232 *	P233 *	P234 *	P235 *	P236 *	P237 *	P238 *	P239 *	P23G *

* on request

Open twisted installation wire

acc. to V95218-21 part 21F



Application & characteristics

The wiring lines are distinguished by their halogen free features and an improved behavior in case of fire. In this case the generating of corrosive and toxic fission products is down to a minimum and the light transparency is at least 75 %.

Operating temperature > -55 °C up to +105 °C

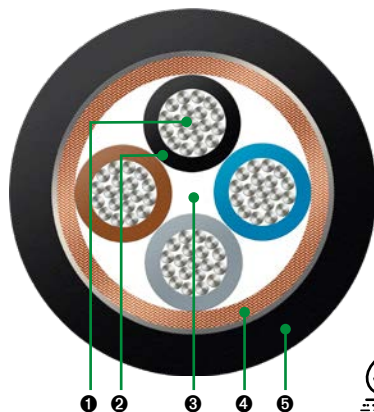
Max. voltage > AC 600 V / DC 900 V

Construction

- ❶ Core > conductor with fine stranded wires
- ❷ Insulation > the insulation material has a high resistance against many types of oil, grease, lubricants and other chemical materials,
- ❸ Twisted pair

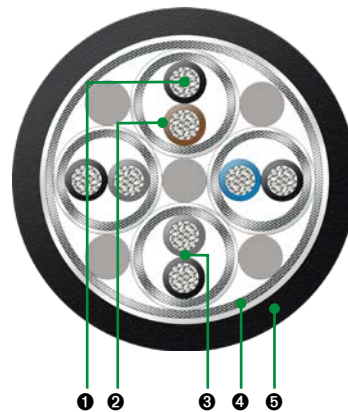
Halogen-free cables

acc. to VG 95218-28-4 (type C)



Halogen-free cables

acc. to VG 95218-28-6 (type E)



Application & characteristics

The wiring lines are distinguished by their halogen free features and an improved behavior in case of fire. In this case the generating of corrosive and toxic fission products is down to a minimum and the light transparency is at least 75 %.

Operating temperature > -40 °C up to +105 °C Max. voltage > AC 600 V / DC 900 V

Construction

- ❶ Core > conductor with fine stranded wires
- ❷ Insulation > special elastomer
- ❸ Twisted elements acc. to VG 95218 part 21F
- ❹ Outer shielding > copper braid with tin-plated wires
- ❺ Sheath > flame retardant, cross-linked, black

Construction

- ❶ Core > conductor with fine stranded wires
- ❷ Insulation > special elastomer
- ❸ Twisted triples acc. to VG 95218 part 23G
- ❹ Outer shielding > copper braid with tin-plated wires
- ❺ Sheath > flame retardant, cross-linked, black

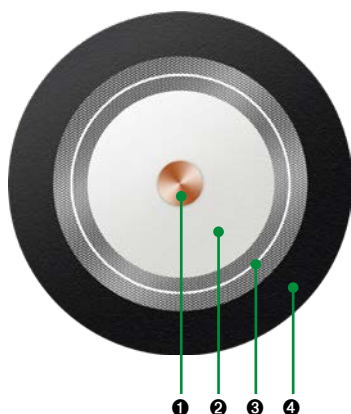
Available products

- **Power cables** > cross section from 1.5 mm² up to 2.5 mm² and overall screen
- **Communication cables** > cross section 0.75 mm² and overall or pair and overall screens
- **Lightweight communication cables** > cross section from 0.15 up to 0.5 mm² with overall or pair/element and overall screens

Type description	Ø single core max. mm	Sheath wall thickness min. mm	Cable Ø min. mm	Cable Ø max. mm	Weight max. kg/km	Transfer impedance max. mΩ/m	Operating voltage AC/DC V	VG part no.	Order no.
acc. to VG 95218 part 28C									
FMGSGO 1x2x0.75	1.77	0.7	5.2	5.6	57	100	600/900	VG95218T028C082	ERK 016945
FMGSGO 2x2x0.75	1.77	0.7	5.7	6.3	79	100	600/900	VG95218T028C040	ERK 016472
FMGSGO 4x2x0.75	1.77	0.7	8.7	9.7	162	70	600/900	VG95218T028C050	ERK 016898
FMGSGO 6x2x0.75	1.77	0.8	10.1	11.3	225	45	600/900	VG95218T028C054	ERK 016846
FMGSGO 8x2x0.75	1.77	0.8	11.0	12.0	269	45	600/900	VG95218T028C059	ERK 016904
FMGSGO 10x2x0.75	1.77	0.8	12.2	13.4	341	30	600/900	VG95218T028C062	ERK 016911
FMGSGO 14x2x0.75	1.77	0.8	13.0	14.4	402	45	600/900	VG95218T028C067	ERK 016921
FMGSGO 16x2x0.75	1.77	0.8	14.4	15.8	479	30	600/900	VG95218T028C069	ERK 016924
acc. to VG 95218 part 28C									
FMSGSGO 2x2x0.75	1.77	0.7	9.5	10.5	165	45	600/900	VG95218T028C041	ERK 016884
FMSGSGO 4x2x0.75	1.77	0.7	10.9	11.9	249	45	600/900	VG95218T028C051	ERK 016550
FMSGSGO 7x2x0.75	1.77	0.8	13.0	14.2	355	45	600/900	VG95218T028C057	ERK 026836
FMSGSGO 11x2x0.75	1.77	0.9	16.1	17.9	570	30	600/900	VG95218T028C063	ERK 016899
FMSGSGO 14x2x0.75	1.77	0.9	17.1	18.9	660	30	600/900	VG95218T028C068	ERK 016992
FMSGSGO 19x2x0.75	1.77	0.9	19.5	21.5	872	30	600/900	VG95218T028C072	ERK 016932
FMSGSGO 24x2x0.75	1.77	1.0	21.7	24.1	1068	30	600/900	VG95218T028C074	ERK 016933

Coaxial cable

acc. to VG 95218 part 101



Application & characteristics

Suitable for fixed installation

- inside military vessels
- in harsh environment areas
- in military vehicles

Operating temperature > -40 °C up to +105 °C

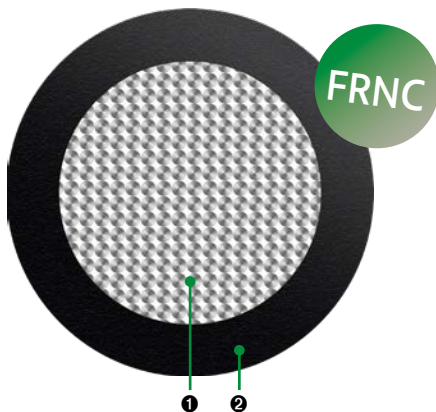
Construction

- ❶ Central core
- ❷ Dielectrical insulation
- ❸ Shielding > copper braid with tin-plated wires
- ❹ Sheath > flame retardant, cross-linked, black

Type description	Ø central core	Sheath wall thickness min.	Cable Ø min.	Cable Ø max.	Characteristic impedance max.	Weight max.	VG part no.	Order no.
	mm	mm	mm	mm	Ω	kg/km		
acc. to VG 95218 part 101								
RG 11	1.2	1.1	10.1	10.5	75 ±3	180	VG95218T101F001	ECX 029158
RG 58	0.9	0.7	4.8	5.1	50 ±2	50	VG95218T101B001	ECX 029116
RG 59	0.6	0.8	6.0	6.3	75 ±2	80	VG95218T101D001	ECX 029044
RG 179	0.30	0.7	3.7	4.0	75 ±3	27	VG95218T101D002	ECX 200581
RG 213	2.25	1.1	10.1	10.5	50 ±2	175	VG95218T101A002	ECX 029160
RG 214	2.25	1.0	10.6	11.0	50 ±2	220	VG95218T101C002	ECX 029115
RG 216	1.2	1.0	10.6	11.0	75 ±3	210	VG95218T101E001	ECX 029137
RG 223	0.9	0.6	5.25	5.55	50 ±2	66	VG95218T101C001	ECX 029133
RG 316	0.54	0.7	3.5	3.8	50 ±2	30	VG95218T101C003	ECX 202786
RG 400	0.95	0.8	5.8	6.1	50 ±2	76	VG95218T101C004	ECX 202787
–	0.58	0.4	4.0	4.3	75 ±3	25	VG95218T101G001	ECX 205398
–	0.81	0.65	5.8	6.2	75 ±3	43	VG95218T101G002	ECX 205399
–	1.02	0.7	6.8	7.2	75 ±3	56	VG95218T101G003	ECX 205400

Installation wire hook-up for ADR applications

acc. to VG 95218 part 32A



Application & characteristics

The wiring lines are distinguished by their halogen free features and an improved behavior in case of fire. In this case the generating of corrosive and toxic fission products is down to a minimum and the light transparency is at least 75 %.

Operating temperature > -55 °C up to +105 °C

Max. voltage > AC 600 V / DC 900 V

Construction

- ❶ Core > conductor with fine stranded wires
- ❷ Insulation > the insulation material has a high resistance against many types of oil, grease, lubricants and other chemical materials.

Color codes for installation wire, hook-up (ADR wires)

Type description		Colors Part No. acc. to VG95218T032 BizLink part No.										
nom. mm ²	AWG	black 0	brown 1	red 2	orange 3	yellow 4	green 5	blue 6	violet 7	grey 8	white 9	yellow/ green G
0.15	26	A120	A121	A122	A123	A124	A125	A126	A127	A128	A129	A12G
		ESL 205178	ESL 205179	ESL 205180	ESL 205181	ESL 205182	ESL 205183	ESL 205184	ESL 205185	ESL 205186	ESL 205187	ESL 205188
0.25	24	A010	A011	A012	A013	A0124	A015	A016	A017	A018	A019	A01G
		ESL 204977	ESL 204978	ESL 204979	ESL 204980	ESL 204981	ESL 204982	ESL 204983	ESL 204984	ESL 204985	ESL 204986	ESL 204987
0.4	22	A020	A021	A022	A023	A024	A025	A026	A027	A028	A029	A02G
		ESL 204991	ESL 204992	ESL 204993	ESL 204994	ESL 204995	ESL 204996	ESL 204997	ESL 204998	ESL 204999	ESL 205000	ESL 205001
0.5	21	A030	A031	A032	A033	A034	A035	A036	A037	A038	A039	A03G
		ESL 205002	ESL 205003	ESL 205004	ESL 205005	ESL 205006	ESL 205007	ESL 205008	ESL 205009	ESL 205010	ESL 205012	ESL 205013
0.6	20	A040	A041	A042	A043	A044	A045	A046	A047	A048	A049	A04G
		ESL 205014	ESL 205015	ESL 205016	ESL 205017	ESL 205018	ESL 205019	ESL 205020	ESL 205021	ESL 205022	ESL 205023	ESL 205024
0.75	19	A050	A051	A052	A053	A054	A055	A056	A057	A058	A059	A05G
		ESL 205037	ESL 205038	ESL 205039	ESL 205040	ESL 205041	ESL 205042	ESL 205043	ESL 205044	ESL 205045	ESL 205046	ESL 205047
1.0	18	A060	A061	A062	A063	A064	A065	A066	A067	A068	A069	A06G
		ESL 205060	ESL 205061	ESL 205062	ESL 205063	ESL 205064	ESL 205065	ESL 205066	ESL 205067	ESL 205068	ESL 205069	ESL 205070
1.2	16	A070	A071	A072	A073	A074	A075	A076	A077	A078	A079	A07G
		ESL 205082	ESL 205083	ESL 205084	ESL 205085	ESL 205086	ESL 205087	ESL 205088	ESL 205089	ESL 205090	ESL 205091	ESL 205092
1.5	15	A080	A081	A082	A083	A084	A085	A086	A087	A088	A089	A08G
		ESL 205095	ESL 205096	ESL 205097	ESL 205098	ESL 205099	ESL 205100	ESL 205101	ESL 205102	ESL 205103	ESL 205104	ESL 205105
2.0	14	A090	A091	A092	A093	A094	A095	A096	A097	A098	A099	A09G
		ESL 205118	ESL 205119	ESL 205120	ESL 205121	ESL 205122	ESL 205123	ESL 205124	ESL 205125	ESL 205126	ESL 205127	ESL 205128
2.5	13	A100	A101	A102	A103	A104	A105	A106	A107	A108	A109	A10G
		ESL 205131	ESL 205132	ESL 205133	ESL 205134	ESL 205135	ESL 205136	ESL 205137	ESL 205138	ESL 205139	ESL 205140	ESL 205141
3.0	12	A110	A111	A112	A113	A114	A115	A116	A117	A118	A119	A11G
		ESL 205155	ESL 205156	ESL 205157	ESL 205158	ESL 205159	ESL 205160	ESL 205161	ESL 205162	ESL 205163	ESL 205164	ESL 205165
4.0	12	A130	A131	A132	A133	A134	A135	A136	A137	A138	A139	A13G
		ESL 205202	ESL 205203	ESL 205204	ESL 205205	ESL 205206	ESL 205207	ESL 205208	ESL 205209	ESL 205210	ESL 205211	ESL 205212
6.0	10	A140	A141	A142	A143	A144	A145	A146	A147	A148	A149	A14G
		ESL 205216	ESL 205217	ESL 205218	ESL 205219	ESL 205220	ESL 205221	ESL 205222	ESL 205223	ESL 205224	ESL 205225	ESL 205226
10	8	A150	A151	A152	A153	A154	A155	A156	A157	A158	A159	A15G
		ESL 205240	ESL 205241	ESL 205242	ESL 205243	ESL 205244	ESL 205245	ESL 205246	ESL 205247	ESL 205248	ESL 205249	ESL 205250
16	6	A160	A161	A162	A163	A164	A165	A166	A167	A168	A169	A16G
		ESL 205228	ESL 205229	ESL 205230	ESL 205231	ESL 205232	ESL 205233	ESL 205234	ESL 205235	ESL 205236	ESL 205237	ESL 205238
25	4	A170	A171	A172	A173	A174	A175	A176	A177	A178	A179	A17G
		ESL 205191	ESL 205192	ESL 205193	ESL 205194	ESL 205195	ESL 205196	ESL 205197	ESL 205198	ESL 205199	ESL 205200	ESL 205201
35	2	A180	A181	A182	A183	A184	A185	A186	A187	A188	A189	A18G
		ESL 205167	ESL 205168	ESL 205169	ESL 205170	ESL 205171	ESL 205172	ESL 205173	ESL 205174	ESL 205175	ESL 205176	ESL 205177
50		A190	A191	A192	A193	A194	A195	A196	A197	A198	A199	A19G
		ESL 205142	ESL 205143	ESL 205144	ESL 205145	ESL 205146	ESL 205147	ESL 205148	ESL 205149	ESL 205150	ESL 205151	ESL 205152
70		A200	A201	A202	A203	A204	A205	A206	A207	A208	A209	A20G
		ESL 205107	ESL 205108	ESL 205109	ESL 205110	ESL 205111	ESL 205112	ESL 205113	ESL 205114	ESL 205115	ESL 205116	ESL 205117
95		A210	A211	A212	A213	A214	A215	A216	A217	A218	A219	A21G
		ESL 205071	ESL 205072	ESL 205073	ESL 205074	ESL 205075	ESL 205076	ESL 205077	ESL 205078	ESL 205079	ESL 205080	ESL 205081
120		A220	A221	A222	A223	A224	A225	A226	A226	A228	A229	A22G
		ESL 205048	ESL 205049	ESL 205050	ESL 205051	ESL 205052	ESL 205053	ESL 205054	ESL 205055	ESL 205056	ESL 205057	ESL 205058
150		A230	A231	A232	A233	A234	A235	A236	A237	A238	A239	A23G
		ESL 205025	ESL 205026	ESL 205027	ESL 205028	ESL 205029	ESL 205030	ESL 205031	ESL 205032	ESL 205033	ESL 205035	ESL 205034

Color coding for the ADR wires

Color code	0	1	2	3	4	5	6	7	8	9	G
Basic color	black 0	brown 1	red 2	orange 3	yellow 4	green 5	blue 6	violet 7	grey 8	white 9	yellow/ green G
Identification color 1	black 0	brown 1	red 2	orange 3	yellow 4	green 5	blue 6	violet 7	grey 8	white 9	–
Identification color 2	black 0	–	red 2	–	yellow 4	green 5	blue 6	violet 7	grey 8	white 9	–

Stock number according to VG 95212

The Dash-No. according to Table 2 is completed with the color code. Here, the first number specifies the base color, the second number the first identification color and the third number the second identification color.

The first and second identification color do not apply for color combination “G”.

In deviation to DIN 72551-7, the first identification color must be executed with a longitudinal stripe and the second identification color with a ring printing.

Examples

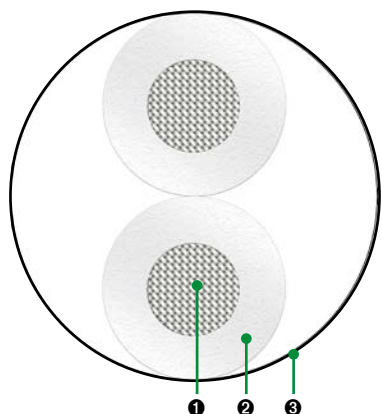
› VG95218T032A030	Insulated wires with base color 0 (black)
› VG95218T032A03G	Insulated wires with base color G (green-yellow)
› VG95218T032A0302	Insulated wires with base color 0 (black) and first identification color 2 (red) as longitudinal stripes
› VG95218T032A03025	Insulated wires with base color 0 (black), first identification color 2 (red) as longitudinal stripe and second identification color 5 (green) as ring printing



The green-yellow color combination does not apply to this rule, which means that the color combinations 4 (base color) / 5 (first identification color) and 5 (base color) / 4 (first identification color) are excluded, as this must be indicated by the “G”.

Open twisted installation wires and sheathed cables

VG 95218-32 parts B, D and E



Application & characteristics

The wiring lines are distinguished by their halogen free features and an improved behavior in case of fire. In this case the generating of corrosive and toxic fission products is down to a minimum and the light transparency is at least 75 %.

Operating temperature > -55°C unsheathed / -40°C sheathed / up to $+105^{\circ}\text{C}$

Max. voltage > AC 600 V / DC 900 V

Construction

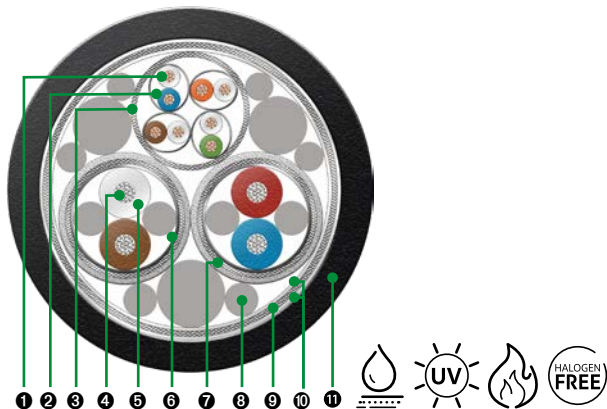
- ❶ Core > conductor with fine stranded wires
- ❷ Insulation > the insulation material has a high resistance against many types of oil, grease, lubricants and other chemical materials
- ❸ Twisted pair

Available products

- **Type B** similar to products acc. to VG 95218 part 21F, with a range of cross sections from 0.5 mm^2 to 150 mm^2
- **Type C** similar to VG 95218 part 23C with a range of cross section from AWG 26 to 2.5 mm^2
- **Type D** similar to products acc. to VG 95218 part 23G with a range of cross sections from 0.5 mm^2 to 10 mm^2
- **Type E** similar to products acc. to VG 95218 part 28-4 with a range of cross sections from 0.4 mm^2 to 2.5 mm^2

Data cable PROFIBUS DP

acc. to VG 95218 part 7B

**Application & characteristics**

Suitable for control connection between mobile power units.

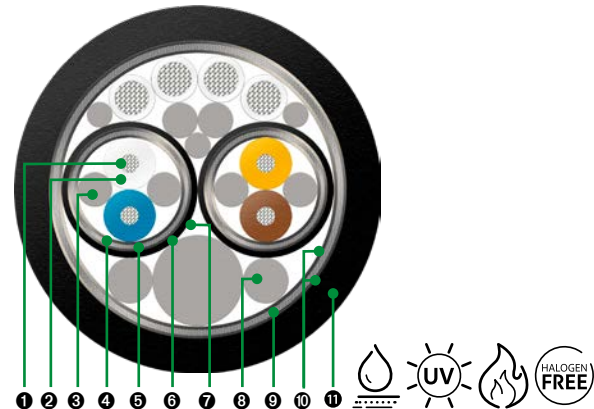
Operating temperature > -33 °C up to +80 °C

Construction

- ❶ Core > conductor with fine stranded wires
- ❷ Insulation > special elastomer
- ❸ Screened Cat7 element
- ❹ Core > conductor with fine stranded wires
- ❺ Insulation > special elastomer
- ❻ Screening foil
- ❼ Shielding > copper braid with tin-plated wires
- ❽ Inner covering
- ❾ Screening braid
- ❿ Binder
- ⓫ Sheath > flame retardant, cross-linked, black

Data cable PROFIBUS DP

acc. to VG 95218 part 31X

**Application & characteristics**

Suitable for control connection between mobile power units.

Operating temperature > -33 °C up to +85 °C

Construction

- ❶ Core > conductor with fine stranded wires
- ❷ Insulation > special elastomer
- ❸ Filler
- ❹ Screening foil
- ❺ Shielding > copper braid with tin-plated wires
- ❻ Inner covering
- ❼ Binder
- ❽ Filler
- ❾ Screening braid
- ❿ Binder
- ⓫ Sheath > flame retardant, cross-linked, black

Type description	Ø single core max.	Sheath wall thickness min.	Cable Ø min.	Cable Ø max.	Weight max.	Transfer impedance max.	Operating voltage AC/DC	VG part no.	Order no.
	mm	mm	mm	mm	kg/km	mΩ/m	V		
acc. to VG 95218 part 7B									
Hybrid cable	1.00	1.5	14.9	15.1	329	100	120 *	VG95218T7B001	EHRK 028979
	2.10						600/900 **		

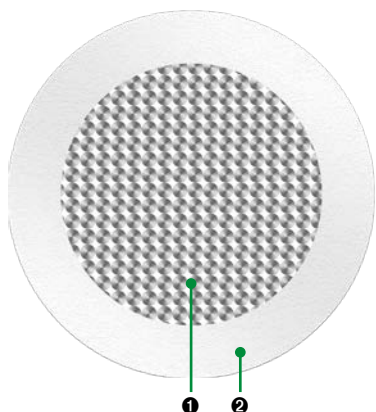
acc. to VG 95218 part 31X									
Hybrid cable	2.25	1.5	15.4	16.2	396	30	125 *	VG 95218T031X001	ERK 025309
	2.15						600/900 **		

*data pairs

** power cores

Installation wire hook-up

acc. to VG 95218 part 20A



Application & characteristics

The wiring lines are distinguished by their high temperature features and an improved behavior in case of fire.

Operating temperature > -55 °C up to +150 °C

Max. voltage > AC 600 V / DC 900 V

Construction

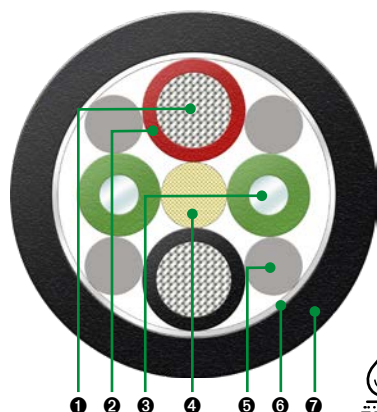
- ❶ Core > conductor with fine stranded wires
- ❷ Insulation > the insulation material has a high resistance against many types of oil, grease, lubricants and other chemical materials.

Color codes for installation wire, hook-up

Type description		Colors Part No. acc. to VG95218T020 BizLink part No.										
nom. mm ²	AWG	black 0	brown 1	red 2	orange 3	yellow 4	green 5	blue 6	violet 7	grey 8	white 9	yellow/ green G
0.25	24	AF16 ESL 205482	AG16 *	AA16 *	AH16 *	AC16 *	AD16 *	AB16 *	AJ16 *	AK16 *	A016 ESL 205523	AM16 ESL 205532
0.4	22	AF01 ESL 205512	AG01 *	AA01 *	AH01 *	AC01 *	AD01 *	AB01 *	AJ01 *	AK01 *	A001 ESL 205545	AM01 ESL 205554
0.5	20	AF02 ESL 205513	AG02 *	AA02 *	AH02 *	AC02 *	AD025 *	AB02 *	AJ02 *	AK02 *	A002 ESL 205555	AM02 ESL 205564
0.6	19	AF03 ESL 205483	AG03 *	AA03 *	AH03 *	AC03 *	AD03 *	AB03 *	AJ03 *	AK03 *	A003 ESL 205536	AM03 ESL 205681
0.75	18	AF04 ESL 203495	AG04 *	AA04 *	AH04 *	AC04 *	AD04 *	AB04 *	AJ04 *	AK04 *	A004 ESL 205682	AM04 ESL 205683
1.0	17	AF05 ESL 205515	AG05 *	AA05 *	AH05 *	AC05 *	AD05 *	AB05 *	AJ05 *	AK05 *	A005 ESL 205684	AM05 ESL 205685
1.2	16	AF06 ESL 205516	AG06 *	AA06 *	AH06 *	AC06 *	AD06 *	AB06 *	AJ06 *	AK06 *	A006 ESL 205686	AM06 ESL 205687
1.5	15	AF07 ESL 205484	AG07 *	AA07 *	AH07 *	AC07 *	AD07 *	AB07 *	AJ07 *	AK07 *	A007 ESL 205688	AM07 ESL 205689
2.5	13	AF08 ESL 205517	AG08 *	AA08 *	AH08 *	AC08 *	AD08 *	AB08 *	AJ08 *	AK08 *	A008 ESL 205690	AM08 ESL 205691
3.0	12	AF17 ESL 205518	AG17 *	AA17 *	AH17 *	AC17 *	AD17 *	AB17 *	AJ17 *	AK17 *	A017 ESL 205692	AM17 ESL 205693
4.0	11	AF09 ESL 205519	AG09 *	AA09 *	AH09 *	AC09 *	AD09 *	AB09 *	AJ09 *	AK09 *	A009 ESL 205694	AM09 ESL 205695
6.0	10	AF10 ESL 205485	AG10 *	AA10 *	AH10 *	AC10 *	AD10 *	AB10 *	AJ10 *	AK10 *	A010 ESL 205520	AM10 ESL 205696
10	8	AF11 ESL 205521	AG11 *	AA11 *	AH11 *	AC11 *	AD11 *	AB11 *	AJ11 *	AK11 *	A011 ESL 205697	AM11 ESL 205698
16	6	AF12 ESL 205522	AG12 *	AA12 *	AH12 *	AC11 *	AD12 *	AB12 *	AJ12 *	AK12 *	A012 ESL 205699	AM12 ESL 205700

* on request

Tethering cable



Application & characteristics

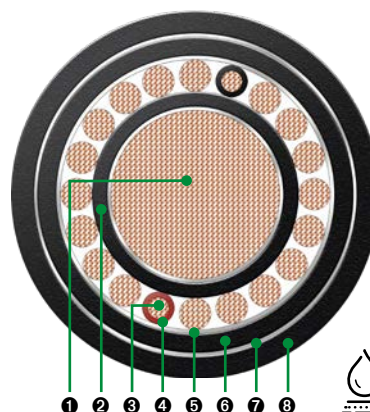
Suitable for coiling

- Tethering drones for safety aspects
- Small geometry, low weight
- High tensile strength through a strain relief as a braid or monofil
- Continuous power supply
- Safe data transmission through optical fibers or high screening immunity
- Operating temperature > -40 °C up to +80 °C

Construction

- 1 Core > conductor with fine stranded wires
- 2 Insulation > special elastomer
- 3 Fiber optic element
- 4 Central strain relief element
- 5 Filler
- 6 Binder
- 7 Sheath > flame retardant, black

Charging cable for helicopter landing pad



Application & characteristics

Suitable for high current applications

- Charging cable for helicopters at mobile landing sites
- Co-axial construction
- High tensile strength through a strain relief as a braid
- Suitable for coiling
- Maximum cross section for inner and outer conductor
- Temperature up to +80°C for maximum power load
- Operating temperature > -40 °C up to +80 °C

Construction

- 1 Core > conductor with fine stranded wires
- 2 Insulation > special elastomer
- 3 Core > conductor with fine stranded wires
- 4 Insulation > special elastomer
- 5 Filler
- 6 Inner sheath
- 7 Binder
- 8 Outer sheath > flame retardant, black

CUSTOMIZED SOLUTIONS

We specialize in developing and manufacturing customized cables to meet your exact specifications. Whether it's demanding mechanical strength, resilience to UV rays and harsh environments, precise electrical transmission properties, or adherence to specific norms and standards, **BizLink is your reliable partner for fulfilling your individual requirements!**

About BizLink Group



BizLink

Find out more > www.bizlinktech.com

BizLink, founded in 1996, is headquartered in Silicon Valley, USA. Our mission is to make interconnection easier and to become the leading global interconnect solution supplier.

We support industries that are environmentally conscious and improve quality of life through providing essential components, wire harnesses, and cables to a wide variety of industries such as IT Infrastructure, Client Peripherals, Optical Fiber Communications, Telecom and Networking, Electrical Appliances, Healthcare, Factory Automation, Machinery and Sensors, Motor Vehicle, Rolling Stock, Marine, Industrial, and Solar.

In addition, with flexible production resources and global R&D teams in America, Europe, and Asia, BizLink always provides reliable interconnect solutions in close proximity to markets. BizLink also specializes in providing one-stop EMS and NPI services based on customer's requests.

At BizLink, we strive to keep collaborating closely with customers to turn their innovative ideas into reality.

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