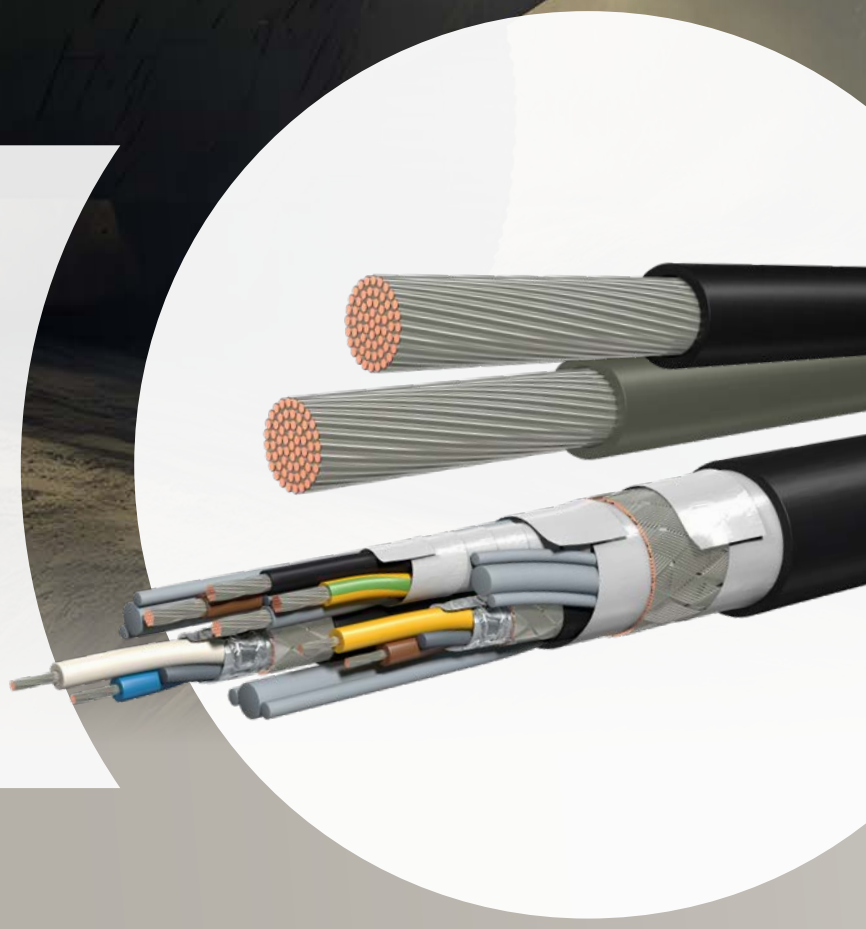
BizLink

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.

		Page
BizLink – your strong partner		2
BizLink product line		4
Land Defense product line		
Installation wire, hook-up	acc. to VG 95218 part 20P	6
Open twisted installation wire	acc. to V95218-21 part 21F	8
Halogen-free cables	acc. to VG 95218-28-4 (type C) acc. to VG 95218-28-6 (type E)	9
Coaxial cables	acc. to VG 95218 part 101	10
Installation wire, hook-up for ADR applications	acc. to VG 95218 part 32A	11
Open twisted installation wires and sheathed cables	VG 95218-32 parts B, D and E	14
Data cable PROFIBUS DP	acc. to VG 95218 part 7B acc. to VG 95218 part 31X	15
Installation wire, hook-up	acc. to VG 95218 part 20A	16
Customized cable		**18**
About BizLink Group		19

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.

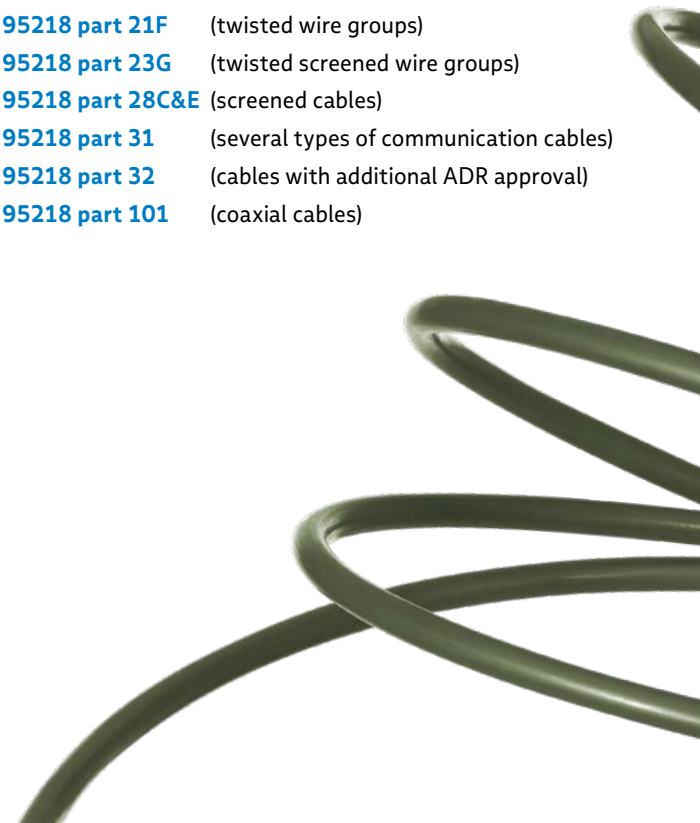
Solutions acc. to VG 95218

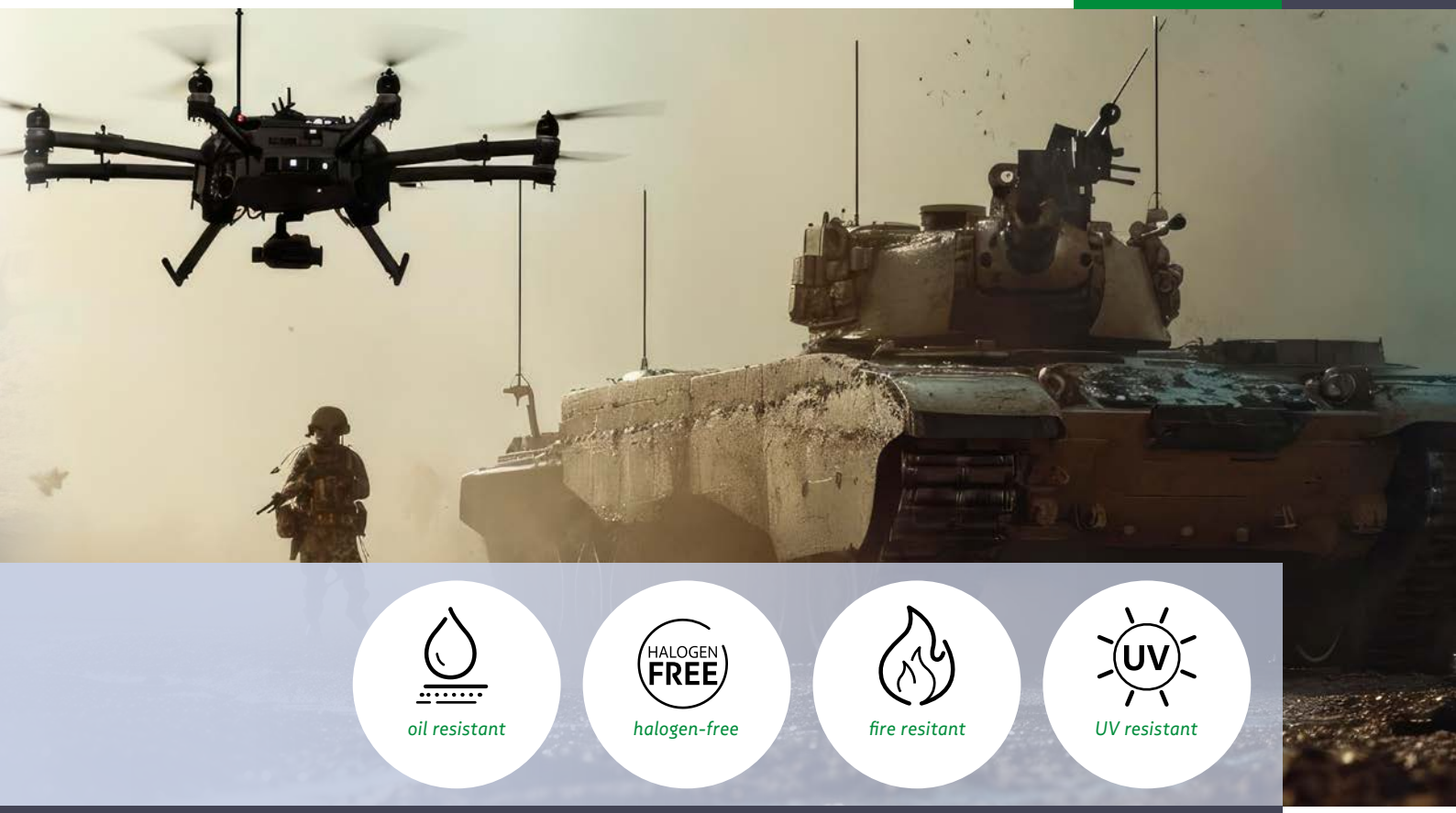
With our product line for land defense applications, we meet the unique requirements of manufacturers and users within armed forces worldwide. Our cables and cable systems are characterized by exceptional durability, ensuring a long service life while facilitating effortless installation or repair in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

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.

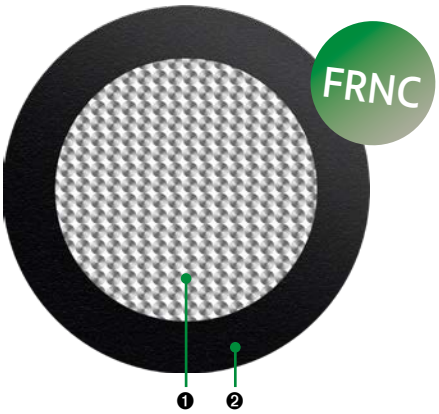
*ADR
Accord européen relatif au transport international des marchandises Dangereuses par Route.
Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße.
Agreement concerning the International Carriage of Dangerous Goods by Road.

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.

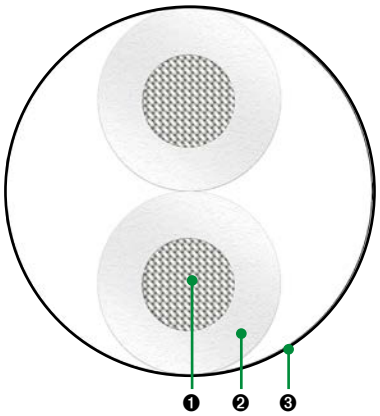
Color codes for installation wire, hook-up

Type description		Colors Part No. acc. to VG95218T020 BizLink part No.										
nom. mm²	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 106143	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 *	P226 *	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

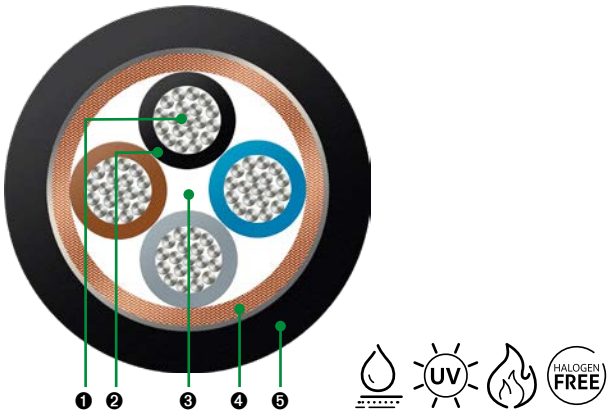
The wiring lines are distinguished by their halogen free features and an improved behavior in case of fire. In this case the generating of corrosive and toxic fission products is down to a minimum and the light transparency is at least 75 %.
Operating temperature ❯ –55 °C up to +105 °C
Max. voltage ❯ 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

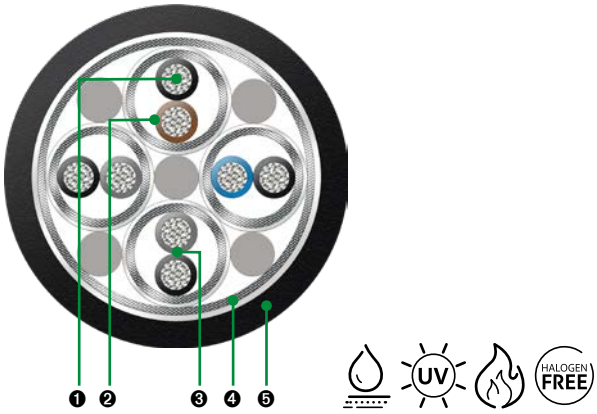
Halogen-free cables

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

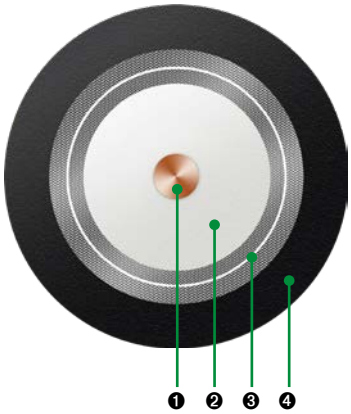
Available products

- **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.	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 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

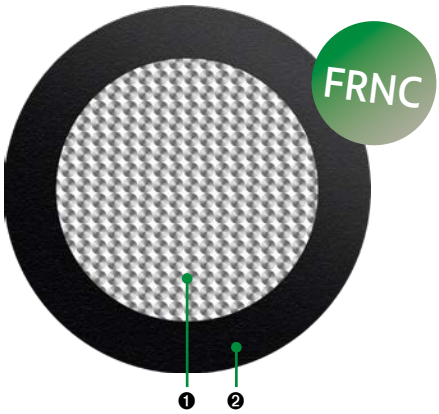
Construction

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

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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. mm²	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 ESL 205178	A121 ESL 205179	A122 ESL 205180	A123 ESL 205181	A124 ESL 205182	A125 ESL 205183	A126 ESL 205184	A127 ESL 205185	A128 ESL 205186	A129 ESL 205187	A12G ESL 205188
0.25	24	A010 ESL 204977	A011 ESL 204978	A012 ESL 204979	A013 ESL 204980	A0124 ESL 204981	A015 ESL 204982	A016 ESL 204983	A017 ESL 204984	A018 ESL 204985	A019 ESL 204986	A01G ESL 204987
0.4	22	A020 ESL 204991	A021 ESL 204992	A022 ESL 204993	A023 ESL 204994	A024 ESL 204995	A025 ESL 204996	A026 ESL 204997	A027 ESL 204998	A028 ESL 204999	A029 ESL 205000	A02G ESL 205001
0.5	21	A030 ESL 205002	A031 ESL 205003	A032 ESL 205004	A033 ESL 205005	A034 ESL 205006	A035 ESL 205007	A036 ESL 205008	A037 ESL 205009	A038 ESL 205010	A039 ESL 205012	A03G ESL 205013
0.6	20	A040 ESL 205014	A041 ESL 205015	A042 ESL 205016	A043 ESL 205017	A044 ESL 205018	A045 ESL 205019	A046 ESL 205020	A047 ESL 205021	A048 ESL 205022	A049 ESL 205023	A04G ESL 205024
0.75	19	A050 ESL 205037	A051 ESL 205038	A052 ESL 205039	A053 ESL 205040	A054 ESL 205041	A055 ESL 205042	A056 ESL 205043	A057 ESL 205044	A058 ESL 205045	A059 ESL 205046	A05G ESL 205047
1.0	18	A060 ESL 205060	A061 ESL 205061	A062 ESL 205062	A063 ESL 205063	A064 ESL 205064	A065 ESL 205065	A066 ESL 205066	A067 ESL 205067	A068 ESL 205068	A069 ESL 205069	A06G ESL 205070
1.2	16	A070 ESL 205082	A071 ESL 205083	A072 ESL 205084	A073 ESL 205085	A074 ESL 205086	A075 ESL 205087	A076 ESL 205088	A077 ESL 205089	A078 ESL 205090	A079 ESL 205091	A07G ESL 205092
1.5	15	A080 ESL 205095	A081 ESL 205096	A082 ESL 205097	A083 ESL 205098	A084 ESL 205099	A085 ESL 205100	A086 ESL 205101	A087 ESL 205102	A088 ESL 205103	A089 ESL 205104	A08G ESL 205105
2.0	14	A090 ESL 205118	A091 ESL 205119	A092 ESL 205120	A093 ESL 205121	A094 ESL 205122	A095 ESL 205123	A096 ESL 205124	A097 ESL 205125	A098 ESL 205126	A099 ESL 205127	A09G ESL 205128
2.5	13	A100 ESL 205131	A101 ESL 205132	A102 ESL 205133	A103 ESL 205134	A104 ESL 205135	A105 ESL 205136	A106 ESL 205137	A107 ESL 205138	A108 ESL 205139	A109 ESL 205140	A10G ESL 205141
3.0	12	A110 ESL 205155	A111 ESL 205156	A112 ESL 205157	A113 ESL 205158	A114 ESL 205159	A115 ESL 205160	A116 ESL 205161	A117 ESL 205162	A118 ESL 205163	A119 ESL 205164	A11G ESL 205165
4.0	12	A130 ESL 205202	A131 ESL 205203	A132 ESL 205204	A133 ESL 205205	A134 ESL 205206	A135 ESL 205207	A136 ESL 205208	A137 ESL 205209	A138 ESL 205210	A139 ESL 205211	A13G ESL 205212
6.0	10	A140 ESL 205216	A141 ESL 205217	A142 ESL 205218	A143 ESL 205219	A144 ESL 205220	A145 ESL 205221	A146 ESL 205222	A147 ESL 205223	A148 ESL 205224	A149 ESL 205225	A14G ESL 205226
10	8	A150 ESL 205240	A151 ESL 205241	A152 ESL 205242	A153 ESL 205243	A154 ESL 205244	A155 ESL 205245	A156 ESL 205246	A157 ESL 205247	A158 ESL 205248	A159 ESL 205249	A15G ESL 205250
16	6	A160 ESL 205228	A161 ESL 205229	A162 ESL 205230	A163 ESL 205231	A164 ESL 205232	A165 ESL 205233	A166 ESL 205234	A167 ESL 205235	A168 ESL 205236	A169 ESL 205237	A16G ESL 205238
25	4	A170 ESL 205191	A171 ESL 205192	A172 ESL 205193	A173 ESL 205194	A174 ESL 205195	A175 ESL 205196	A176 ESL 205197	A177 ESL 205198	A178 ESL 205199	A179 ESL 205200	A17G ESL 205201
35	2	A180 ESL 205167	A181 ESL 205168	A182 ESL 205169	A183 ESL 205170	A184 ESL 205171	A185 ESL 205172	A186 ESL 205713	A187 ESL 205174	A188 ESL 205175	A189 ESL 205176	A18G ESL 205177
50		A190 ESL 205142	A191 ESL 205143	A192 ESL 205144	A193 ESL 205145	A194 ESL 205146	A195 ESL 205147	A196 ESL 205148	A197 ESL 205149	A198 ESL 205150	A199 ESL 205151	A19G ESL 205152
70		A200 ESL 205107	A201 ESL 205108	A202 ESL 205109	A203 ESL 205110	A204 ESL 205111	A205 ESL 205112	A206 ESL 205113	A207 ESL 205114	A208 ESL 205115	A209 ESL 205116	A20G ESL 205117
95		A210 ESL 205071	A211 ESL 205072	A212 ESL 205073	A213 ESL 205074	A214 ESL 205075	A215 ESL 205076	A216 ESL 205077	A217 ESL 205078	A218 ESL 205079	A219 ESL 205080	A21G ESL 205081
120		A220 ESL 205048	A221 ESL 205049	A222 ESL 205050	A223 ESL 205051	A224 ESL 205052	A225 ESL 205053	A226 ESL 205054	A226 ESL 205055	A228 ESL 205056	A229 ESL 205057	A22G ESL 205058
150		A230 ESL 205025	A231 ESL 205026	A232 ESL 205027	A233 ESL 205028	A234 ESL 205029	A235 ESL 205030	A236 ESL 205031	A237 ESL 205032	A238 ESL 205033	A239 ESL 205035	A23G 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.

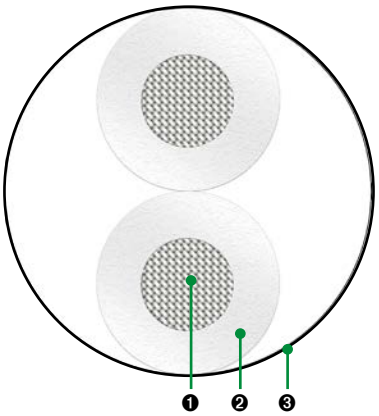
Examples

› 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 °C
Max. voltage ❯ AC 600 V / DC 900 V

Construction

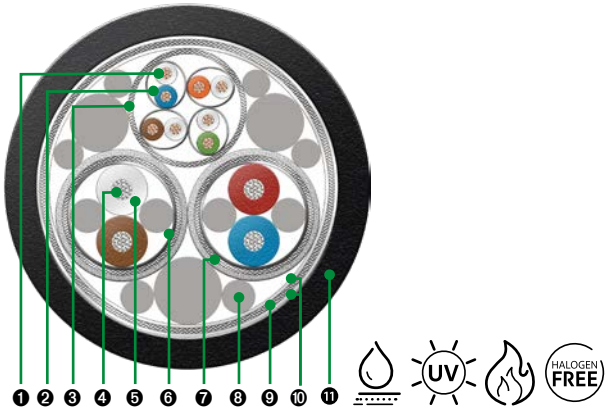
❶ Core ❯ conductor with fine stranded wires
❷ Insulation ❯ the insulation material has a high resistance against many types of oil, grease, lubricants and other chemical materials
❸ Twisted pair

Available products

- **Type B** similar to products acc. to VG 95218 part 21F, with a range of cross sections from 0.5 mm² to 150 mm²
- **Type C** similar to VG 95218 part 23C with a range of cross section from AWG 26 to 2.5 mm²
- **Type D** similar to products acc. to VG 95218 part 23G with a range of cross sections from 0.5 mm² to 10 mm²
- **Type E** similar to products acc. to VG 95218 part 28-4 with a range of cross sections from 0.4 mm² to 2.5 mm²

Data cable PROFIBUS DP

acc. to VG 95218 part 7B



Application & characteristics

Suitable for control connection between mobile power units.

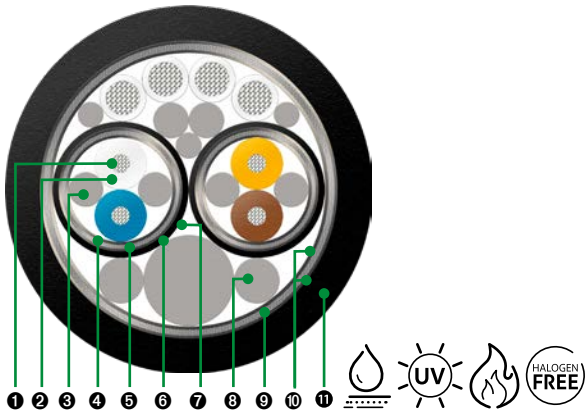
Operating temperature › –33 °C up to +80 °C

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 elasomer
❻ Screening foil
❼ Shielding › copper braid with tin-plaited 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

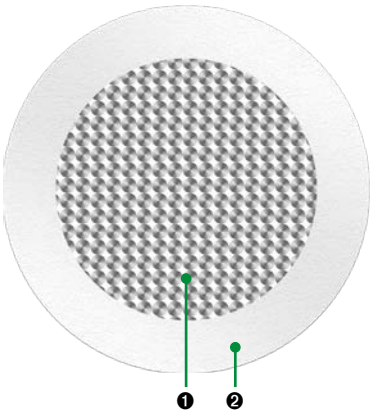
❶ Core › conductor with fine stranded wires
❷ Insulation › special elastomer
❸ Filler
❹ Screening foil
❺ Shielding › copper braid with tin-plated wires
❻ Inner covering
❼ Binder
❽ Filler
❾ Screening braid
❿ Binder
⓫ Sheath › flame retardant, cross-linked, black

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

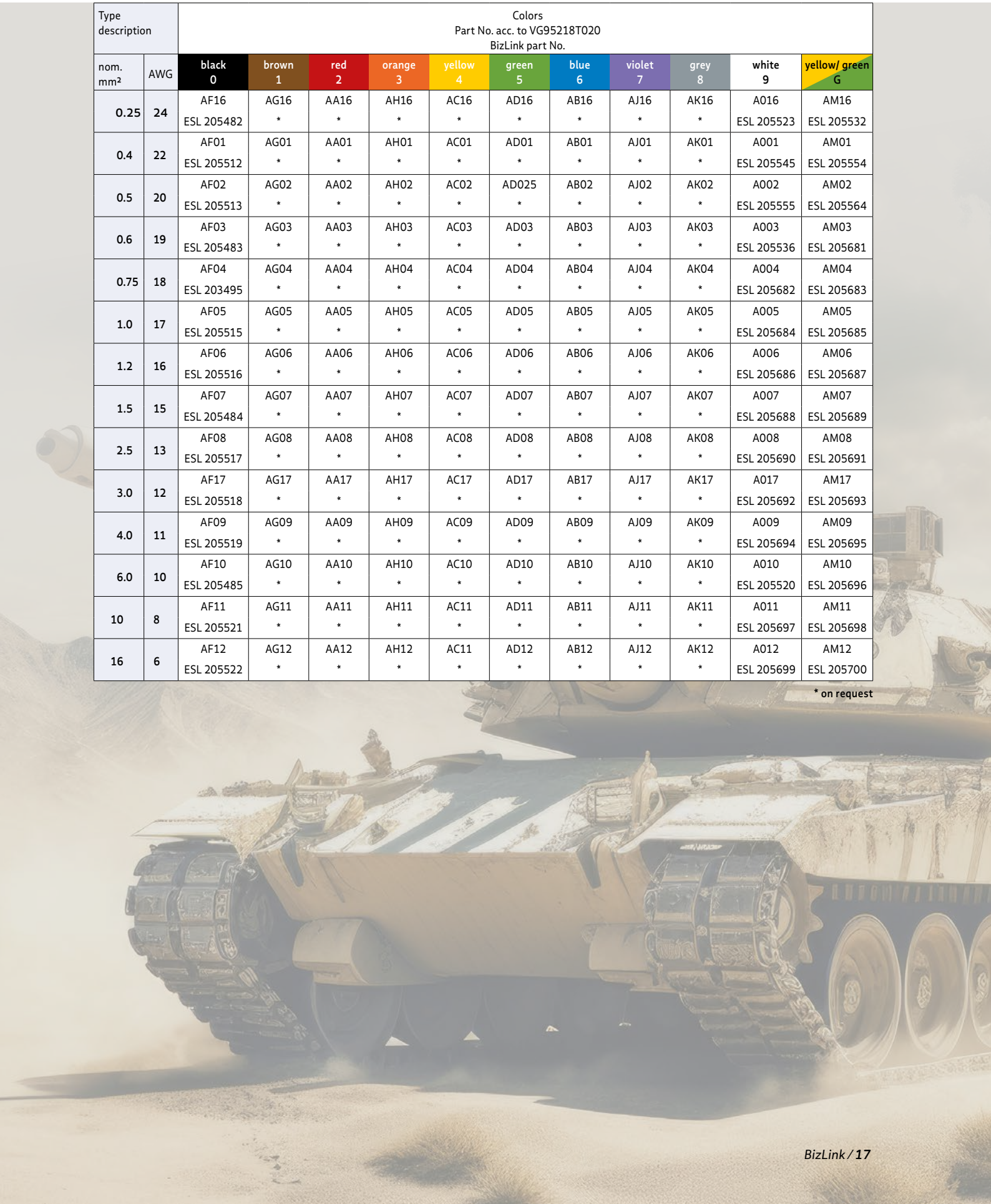
Construction

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.

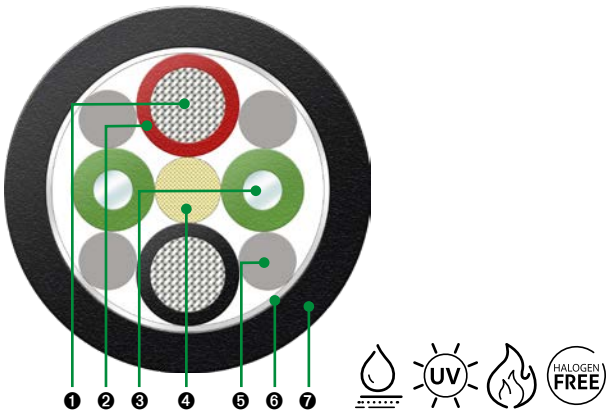
Color codes for installation wire, hook-up

Type description		Colors Part No. acc. to VG95218T020 BizLink part No.										
nom. mm²	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

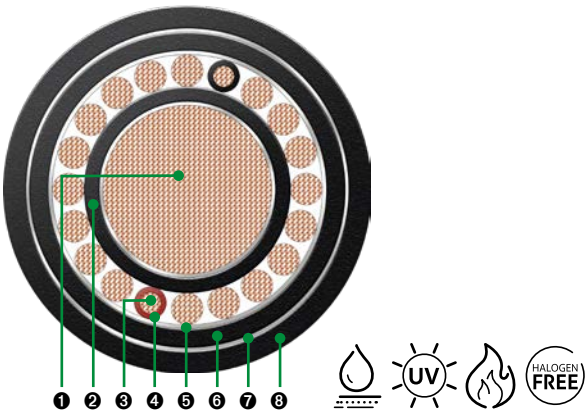
Suitable for coiling

- 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

❶ Core › conductor with fine stranded wires
❷ Insulation › special elastomer
❸ Fiber optic element
❹ Central strain relief element
❺ Filler
❻ Binder
❼ 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

❶ Core › conductor with fine stranded wires
❷ Insulation › special elastomer
❸ Core › conductor with fine stranded wires
❹ Insulation › special elasomer
❺ Filler
❻ Inner sheath
❼ Binder
❽ 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

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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.

Interconnect Made Easy.

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