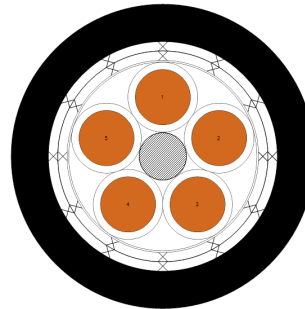


VG 95218 Part 28 Type A



VG 95218 T028 A – Multi Core, Primary Wires, Double Overall Shielded & Jacketed Cable

- **Construction:** VG95218T020A or M81044 single elements, with overall wrap, double overall shield and jacket
- **Conductor:** Stranded tin-coated copper - 1.20mm², 1.50mm², 2.00mm²
- **Insulation:** Polyalkene (Primary), PVDF (Primary jacket)
- **Wrap:** Polyester (Overall)
- **Shield Material/Type:** Tin-coated copper / Optimized Woven Shield (A001/A004: Double shield) (A011: Double shield isolated with double wrap)
- **Overall Jacket:** Fuel & Diesel Resistant Elastomer - FDR25
- **Temperature Rating:** -40°C to +150°C



Illustrative Image - VG95218T028A004 example



Product Information Table

| Part Description | No. of wires | No. of Wires x Cross Sectional Area (mm ²) | VG Dash No. | Component | Screen 1 - Strand Size | | Screen 2 - Strand Size | | Minimum Wall Thickness (mm) | Cable Diameter (mm) | | Max. Weight (kg/km) | Max Resistance @ 20°C (Ohms/km) | Max. Transfer Impedance @ 30MHz (mOhms/m) | Nato Stock Number 6145-12- |
|------------------|--------------|--|-------------|------------------|------------------------|-----------|------------------------|-----------|-----------------------------|---------------------|------|---------------------|---------------------------------|---|----------------------------|
| | | | | | AWG | Nom. (mm) | AWG | Nom. (mm) | | Min. | Max. | | | | |
| | | | | | | | | | | | | | | | |
| VG95218T028A001 | 2 | 2 x 1.20 | 001 | VG95218T020A006 | 36 | 0.127 | 36 | 0.127 | 0.84 | 6.7 | 7.5 | 100 | 16.70 | 10 | 325-0724 |
| VG95218T028A004 | 5 | 5 x 1.50 | 004 | VG95218T020A007 | 36 | 0.127 | 36 | 0.127 | 0.92 | 8.6 | 9.6 | 186 | 13.80 | 10 | 326-7800 |
| VG95218T028A011 | 7 | 7 x 1 x 2.00 | 011 | 2 M81044/12-14-6 | 34 | 0.160 | 34 | 0.160 | 1.13 | 11.0 | 12.0 | 307 | 10.20 | 10 | --- |
| | | | | 1 M81044/12-14-4 | | | | | | | | | | | |
| | | | | 4 M81044/12-14-8 | | | | | | | | | | | |

- NOTES:**
- VG descriptions in table are only available with a Black jacket.
 - Component/s for the above cables shall be as listed under "Component" column. e.g. Components for VG95218T028A001 shall be VG95218T020A006.
 - Fillers are used as required.
 - Values are for guidance only, refer to drawings for maintained product information.

TABLE COLOR KEY:

| |
|------------|
| System 25 |
| System 100 |
| System 200 |

Component Identification

VG Dash No.- 001, 004:

- White, Numbered

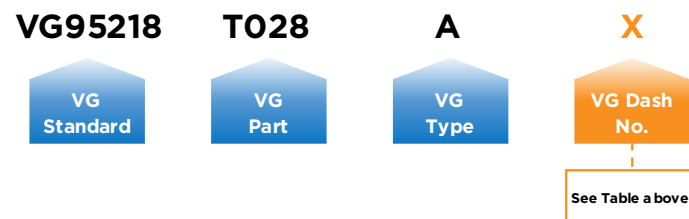
VG Dash No.- 011:

- 1 x Yellow, 2 x Blue, 4 x Grey

Cable Jacket Identification

- The mark shall be: **Raychem - VG 95218 T028 A### - K1010 - VDE Reg.Nr. 9425** where: "###" = VG Dash No. e.g: VG95218T028A001 shall be marked: **Raychem - VG95218T028A001 - K1010 - VDE Reg.Nr. 9425**
- Color of mark shall be white.

VG Part Description



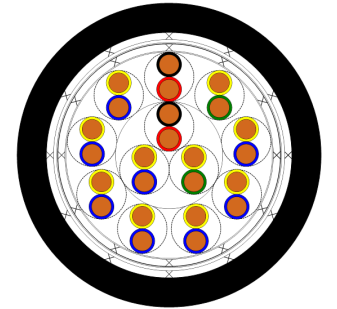
- Examples:
- VG95218T028A001 : 2 x 1.20mm² conductor, White, numbered & Overall Black Jacket
 - VG95218T028A011 : 7 x 2.00mm² conductor, 1 x Yellow, 2 x Blue, 4 x Grey component & Overall Black Jacket

VG 95218 Part 28 Type A



VG 95218 T028 A – Multi Core, Twisted Pairs, Double Overall Shielded & Jacketed Cable

- **Construction:** Multiple VG95218T021B pair elements, with overall wrap, double shield isolated with double wrap, and jacket
- **Conductor:** Stranded tin-coated copper - 0.40mm²
- **Insulation:** Polyalkene (Primary), PVDF (Primary jacket)
- **Wrap:** Polyester (Overall)
- **Shield Material/Type:** Tin-coated copper / Optimized Woven Shield
- **Overall Jacket:** Fuel & Diesel Resistant Elastomer - FDR25
- **Temperature Rating:** -40°C to +150°C
- **Voltage Rating:** 600V AC / 600V DC



Illustrative Image - VG95218T028A007 example



Product Information Table

| Part Description | No. of wires | No. of Wires x Cross Sectional Area (mm ²) | VG Dash No. | Component | Screen 1 - Strand Size | | Screen 2 - Strand Size | | Minimum Wall Thickness (mm) | FINISHED CABLE | | | | |
|------------------|--------------|--|-------------|-----------------|------------------------|-----------|------------------------|-----------|-----------------------------|---------------------|------|---------------------|---------------------------------|---|
| | | | | | AWG | Nom. (mm) | AWG | Nom. (mm) | | Cable Diameter (mm) | | Max. Weight (kg/km) | Max Resistance @ 20°C (Ohms/km) | Max. Transfer Impedance @ 30MHz (mOhms/m) |
| | | | | | | | | | | Min. | Max. | | | |
| VG95218T028A007 | 24 | 12 x 2 x 0.40 | 007 | VG95218T021B004 | 34 | 0.160 | 34 | 0.160 | 1.81 | 14.0 | 15.0 | 310 | 55.30 | 10 |
| | | | | VG95218T021B005 | | | | | | | | | | |
| | | | | VG95218T021B006 | | | | | | | | | | |
| VG95218T028A008 | 54 | 27 x 2 x 0.40 | 008 | VG95218T021B004 | 32 | 0.203 | 32 | 0.203 | 2.41 | 19.5 | 21.7 | 713 | 55.30 | 10 |
| | | | | VG95218T021B005 | | | | | | | | | | |
| | | | | VG95218T021B006 | | | | | | | | | | |

- NOTES:**
- VG descriptions in table are only available with a Black jacket.
 - Component/s for the above cables shall be as listed under "Component" column. e.g. Components for VG95218T028A007 shall be VG95218T021B004/005/006.
 - Fillers are used as required.
 - Values are for guidance only, refer to drawings for maintained product information.

TABLE COLOR KEY:

| |
|------------|
| System 25 |
| System 100 |
| System 200 |

Component Identification

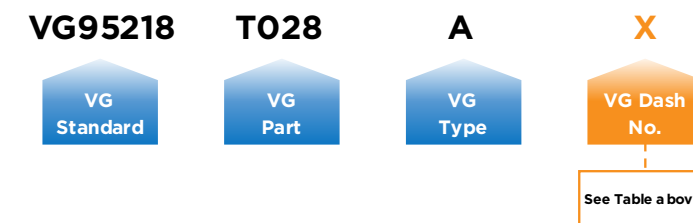
- 1st pair: Black, Red (Pilot and Direction)
- 2nd pair: Yellow, Green (Counting Direction)
- 3rd and following pairs: Yellow, Blue

Position of pair colors and direction applicable to every cable layer

Cable Jacket Identification

- The mark shall be: **Raychem - VG 95218 T028 A### - K1010 - VDE Reg.Nr. 9425** where: "###" = VG Dash No. e.g: VG95218T028A007 shall be marked: **Raychem - VG95218T028A007 - K1010 - VDE Reg.Nr. 9425**
- Color of mark shall be white.

VG Part Description



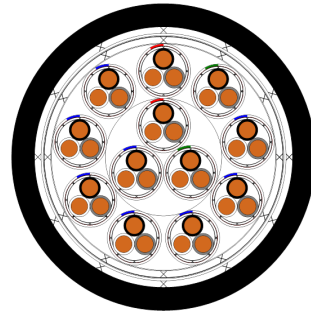
- Example:
- VG95218T028A007 : 24 x 2 x 0.40mm² conductor, 1st pair; Black, Red, 2nd pair; Yellow, Green, remaining pairs; Yellow, Blue

VG 95218 Part 28 Type A



VG 95218 T028 A – Multi Core, Shielded & Jacketed Twisted Triples, Double Overall Shielded & Jacketed Cable

- **Construction:** Multiple VG95218T023B triple elements with individual screens & jackets, with overall wrap, double shield isolated with double wrap, and jacket
- **Conductor:** Stranded tin-coated copper - 0.40mm²
- **Insulation:** Polyalkene (Primary), PVDF (Primary jacket)
- **Individual Jacket:** PVDF
- **Wrap:** Polyester (Overall)
- **Shield Material/Type:** Tin-coated copper / Optimized Woven Shield (Individual & Overall)
- **Overall Jacket:** Fuel & Diesel Resistant Elastomer - FDR25
- **Temperature Rating:** -40°C to +150°C
- **Voltage Rating:** 600V AC / 600V DC



Illustrative Image - VG95218T028A010 example

System
25

PVDF /
FDR25

600V
AC

-40°C
+150°C

Product Information Table

| Part Description | No. of wires | No. of Wires x Cross Sectional Area (mm ²) | VG Dash No. | Component | Screen 1 - Strand Size | | Screen 2 - Strand Size | | Minimum Wall Thickness (mm) | FINISHED CABLE | | | | |
|------------------|--------------|--|-------------|-----------------|------------------------|-----------|------------------------|-----------|-----------------------------|---------------------|------|---------------------|---------------------------------|---|
| | | | | | AWG | Nom. (mm) | AWG | Nom. (mm) | | Cable Diameter (mm) | | Max. Weight (kg/km) | Max Resistance @ 20°C (Ohms/km) | Max. Transfer Impedance @ 30MHz (mOhms/m) |
| | | | | | | | | | | Min. | Max. | | | |
| VG95218T028A009 | 15 | 5 x 3 x 0.40 | 009 | VG95218T023B004 | 34 | 0.160 | 34 | 0.160 | 1.22 | 14.0 | 15.0 | 368 | 55.30 | 15 |
| VG95218T028A010 | 36 | 12 x 3 x 0.40 | 010 | VG95218T023B004 | 32 | 0.203 | 32 | 0.203 | 1.39 | 20.0 | 21.0 | 732 | 55.30 | 10 |

- NOTES:**
- VG descriptions in table are only available with a Black jacket.
 - Component/s for the above cables shall be as listed under "Component" column. e.g. Components for VG95218T028A009 shall be VG95218T023B004.
 - Fillers are used as required.
 - Values are for guidance only, refer to drawings for maintained product information.

TABLE COLOR KEY:

| | |
|--|------------|
| | System 25 |
| | System 100 |
| | System 200 |

VG 95218 Part 28 Type A



VG 95218 T028 A – Multi Core, Shielded & Jacketed Twisted Triples, Double Overall Shielded & Jacketed Cable

Component Identification

Triple element component colors:

- Black, Grey, White

Triple element Jacket - Pilot & Direction identified by Jacket Stripe.

- 1st Triple: red stripe coding (pilot)
- 2nd Triple: green stripe coding (direction)
- 3rd and following triples: blue stripe coding

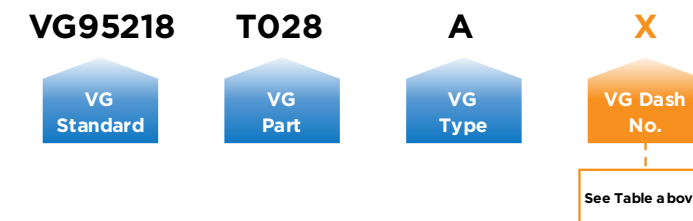
Pilot and direction colors are applicable to every cable layer.

Cable Jacket Identification

- The mark shall be: **Raychem - VG 95218 T028 A### - K1010 - VDE Reg.Nr. 9425** where: "###" = VG Dash No. e.g: VG95218T028A009 shall be marked: **Raychem - VG95218T028A009 - K1010 - VDE Reg.Nr. 9425**

- Color of mark shall be white.

VG Part Description



Example:

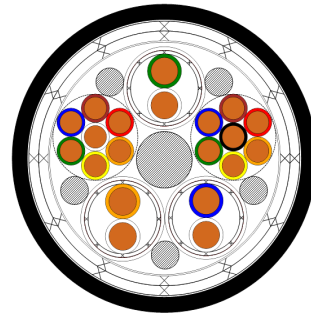
VG95218T028A009 : 5 x 3 x 0.40mm² conductor, 1st triple; Black, Grey White, Red Jacket Stripe, 2nd triple; Black, Grey White, Green, Jacket Stripe, remaining triples; Black, Grey White, Blue Jacket Stripe & Overall Black Jacket

VG 95218 Part 28 Type A



VG 95218 T028 A – Multi Core, Various components, Double Overall Shielded & Jacketed Cable

- **Construction:** Various VG95218T020A (Primaries), VG95218T021B (Pairs), VG95218T023B/VG95218T023F (Screened Jacketed Pairs), elements, with overall wrap, double shield and jacket
- **Conductor:** Stranded tin-coated copper - 0.15mm², 0.25mm², 0.60mm², 1.20mm²
- **Insulation:** Polyalkene (Primary), PVDF (Primary jacket), Polyethylene (Solid/Foamed Controlled Electrical Dielectric)
- **Individual Jacket:** PVDF, FDR25
- **Wrap:** Polyester (Overall)
- **Shield Material/Type:** Tin-coated copper / Optimized Woven Shield (Individual & Overall)
- **Element/Overall Jacket:** Fuel & Diesel Resistant Elastomer - FDR25



Illustrative Image - VG95218T028A012 example



Product Information Table

| Part Description | No. of wires | No. of Wires x Cross Sectional Area (mm ²) | VG Dash No. | Component | Screen 1 - Strand Size | | Screen 2 - Strand Size | | Minimum Wall Thickness (mm) | FINISHED CABLE | | | | | |
|------------------|--------------|--|-------------|------------------------|------------------------|-----------|------------------------|-----------|-----------------------------|---------------------|-------|---------------------|---------------------------------|---|------------------------|
| | | | | | AWG | Nom. (mm) | AWG | Nom. (mm) | | Cable Diameter (mm) | | Max. Weight (kg/km) | Max Resistance @ 20°C (Ohms/km) | Max. Transfer Impedance @ 30MHz (mOhms/m) | Voltage Rating (AC/DC) |
| | | | | | | | | | | Min. | Max. | | | | |
| VG95218T028A002 | 14 | 1 x 0.60 | 002 | VG95218T020A003 | 34 | 0.160 | 34 | 0.160 | 1.09 | 14.2 | 15.8 | 440 | 34.20 | 5 | 600/900 |
| | | 6 x 2 x 0.60 | | VG95218T023F002 | | | | | | 34 | 34.90 | | | | |
| | | 1 x 1.20 | | VG95218T020A006 | | | | | | | 16.70 | | | | |
| VG95218T028A003 | 13 | 4 x 2 x 0.15 | 003 | According to Table F.1 | 36 | 0.127 | 36 | 0.127 | 0.75 | 8.3 | 9.1 | 130 | 140.00 | 10 | 250/250 |
| | | 5 x 0.25 | | VG95218T020A016 | | | | | | | 87.70 | | | | |
| VG95218T028A005 | 7 | 3 x 2 x 0.25 | 005 | According to Table F.2 | 34 | 0.160 | 34 | 0.160 | 1.01 | 11.7 | 12.9 | 256 | 86.00 | 5 | 250/250 |
| | | 1 x 0.60 | | VG95218T020A003 | | | | | | | 34.20 | | | | |
| VG95218T028A006 | 11 | 4 x 2 x 0.25 | 006 | According to Table F.2 | 34 | 0.160 | 34 | 0.160 | 0.54 | 11.9 | 12.5 | 278 | 86.00 | 5 | 250/250 |
| | | 3 x 0.60 | | VG95218T020A003 | | | | | | | 34.20 | | | | |
| VG95218T028A012 | 20 | 3 x 2 x 0.25 | 012 | VG95218T023B006 | 34 | 0.160 | 34 | 0.160 | 0.37 | 10.3 | 11.3 | 240 | 89.50 | 5 | 600/600 |
| | | | | VG95218T023B007 | | | | | | | | | | | |
| | | | | VG95218T023B008 | | | | | | | | | | | |
| | | VG95218T021B007 | | | | | | | | | | | | | |
| | | VG95218T021B008 | | | | | | | | | | | | | |
| 2 x 7 x 0.25 | | | | | | | | | | | | | | | |

- NOTES:**
- VG descriptions in table are only available with a Black jacket.
 - Component/s for the above cables shall be as listed under "Component" column. e.g. Components for VG95218T028A002 shall be VG95218T020A003, VG95218T023F002 & VG95218T020A006.
 - Fillers are used as required.
 - Values are for guidance only, refer to drawings for maintained product information.

TABLE COLOR KEY:

| | |
|--------------|------------|
| Yellow | System 25 |
| Light Blue | System 100 |
| Light Purple | System 200 |

VG 95218 Part 28 Type A



VG 95218 T028 A – Multi Core, Various components, Double Overall Shielded & Jacketed Cable

Component Identification

VG Dash No.- 002, 013:

- Primaries: White, numbered.
- Screened, Jacketed Pairs: White, numbered, White jacket.

VG Dash No.- 003:

- Primaries: White, numbered.
- Controlled Electrical Pairs: Natural/White.

VG Dash No.- 005:

- Primary: White, numbered.
- Controlled Electrical Screened, Jacketed Pairs: White, numbered, Black jacket.

VG Dash No.- 006:

- Primaries: Black, Red, Blue.
- Controlled Electrical Screened, Jacketed Pairs: White, numbered, Black jacket.

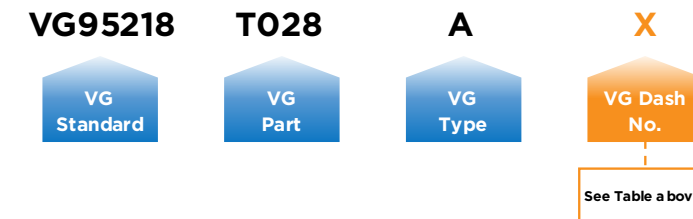
VG Dash No.- 012:

- Screened, Jacketed Pairs: Green, White, White jacket. Blue, White, White jacket. Orange, White, White jacket.
- 7 cores: Black, Brown, Red, Orange, Yellow, Green, Blue. White, Brown, Red, Orange, Yellow, Green, Blue.

Cable Jacket Identification

- The mark shall be: **Raychem - VG 95218 T028 A### - K1010 - VDE Reg.Nr. 9425** where: "###" = VG Dash No. e.g: VG95218T028A012 shall be marked: **Raychem - VG95218T028A012 - K1010 - VDE Reg.Nr. 9425**
- Color of mark shall be white.

VG Part Description



Examples:

- VG95218T028A003 : 4 x 2 x 0.15mm² & 5 x 0.25mm² conductors, 4x Pairs: Natural/White components, 5x Primaries: White, numbered components, Overall Black Jacket
- VG95218T028A006 : 4 x 2 x 0.25mm² & 3 x 0.60mm² conductors, 4x Screened, Jacketed Pairs: White, numbered components, Black Jacket & 3x Primaries: Black, Red, Blue components & Overall Black Jacket