

Industrial Ethernet Cables CAT 6A

CATLine CAT 6A HT

Gigabit Ethernet cable – high temperature resistant

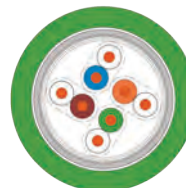
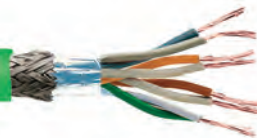


16314631- FEP Version

26AWG 16314631 AWM Style 21618 150°C 600V CE

Marking for CATLine CAT 6A HT 16314631:

SAB BRÖCKSKES · D-VIERSEN · CATLine Cat.6A HT 4x2x26AWG 16314631 AWM Style 21618 150°C 600V CE



16324631- PFA Version

CATLine CAT 6A HT 4x2x26AWG 16324631 CE

Marking for CATLine CAT 6A HT 16324631:

SAB BRÖCKSKES · D-VIERSEN · CATLine Cat.6A HT 4x2x26AWG 16324631 CE



Construction:

| | |
|-------------------------|---|
| Conductor: | |
| FEP: | bare copper strands, fine wires |
| PFA: | silver-plated copper strands, fine wires |
| Insulation: | FEP or PFA |
| Color code: | white/blue, white/orange, white/green, white/brown |
| Stranding: | twisted to pairs |
| Wrapping: | PETP foil |
| Shielding: | |
| FEP: | alu. foil + tinned copper braiding |
| PFA: | alu. foil + silver-plated copper braiding |
| Jacket material: | FEP or PFA |
| Jacket color: | green (similar RAL 6018) |

Outstanding features:

- high temperature resistant
- low temperature resistant
- flame retardant and self-extinguishing
- oil and chemical resistant
- UL recognized- FEP version only

Technical data:

| | | | |
|---------------------------------------|---|-----------------|------------|
| Peak operating voltage: | max. 90 V | | |
| Voltage UL: | 600 V | | |
| Testing voltage: | conductor/conductor: | FEP: 2000 V | PFA: 750 V |
| | conductor/shielding: | 2000 V | 750 V |
| Min. bending radius: | | | |
| fixed installation: | 5 x O.D. | | |
| free movement: | 10 x O.D. | | |
| Temperature range: | | | |
| static: | FEP: -90/+180°C | PFA: -90/+250°C | |
| flexible: | -55/+180°C | -55/+250°C | |
| | UL: up to +150°C | | |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1 | | |
| FEP: | | | |
| Oil resistance: | very good | | |
| Chemical resistance: | very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds | | |
| Character impedance: | 100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 (CAT 6A) | | |
| Approvals: | FEP: UR AWM Style 21618, CE, RoHS PFA: CE, RoHS | | |
| Application: | suitable for EtherCAT and EtherNET/IP applications | | |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see page O/30 | | |

| item no. | type | dimensions AWG | max. cond.-ø mm | outer-ø ±10% inch | outer-ø ±10% mm | cable weight ≈lbs/mft |
|------------|------|-------------------|-----------------------|-------------------------|-----------------------|-----------------------------|
| ▶ 16314631 | FEP | 26 (≈ 7/34)/4pr | 1.05 | 0.228 | 5.8 | 36 |
| ▶ 16324631 | PFA | 26 (≈ 7/34)/4pr | 1.05 | 0.217 | 5.5 | 33 |

Other dimensions and colors are available on request

NEW

PFA type
up to +250°C

Also possible as a
cable assembly with
M12 or RJ 45 plug



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