

aula magna

2

Conectores
Para cabeamento

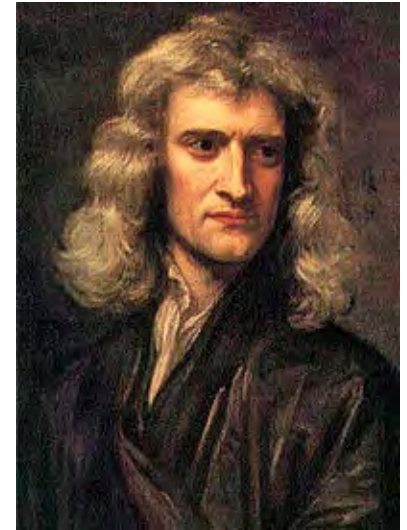
Programa

- Introdução
- Plug RJ-45
- Ferramentas
- Elementos de encaminhamento de cabos

Unidades de medida

- Comprimento \Rightarrow m
- Área \Rightarrow m²
- Volume \Rightarrow m³
- Massa \Rightarrow kg
- Densidade \Rightarrow kg/m³
- Velocidade \Rightarrow m/s
- Aceleração \Rightarrow m/s²
- Força \Rightarrow kg.m/s² = N

Sistema MKS



Isaac Newton

1642-1727

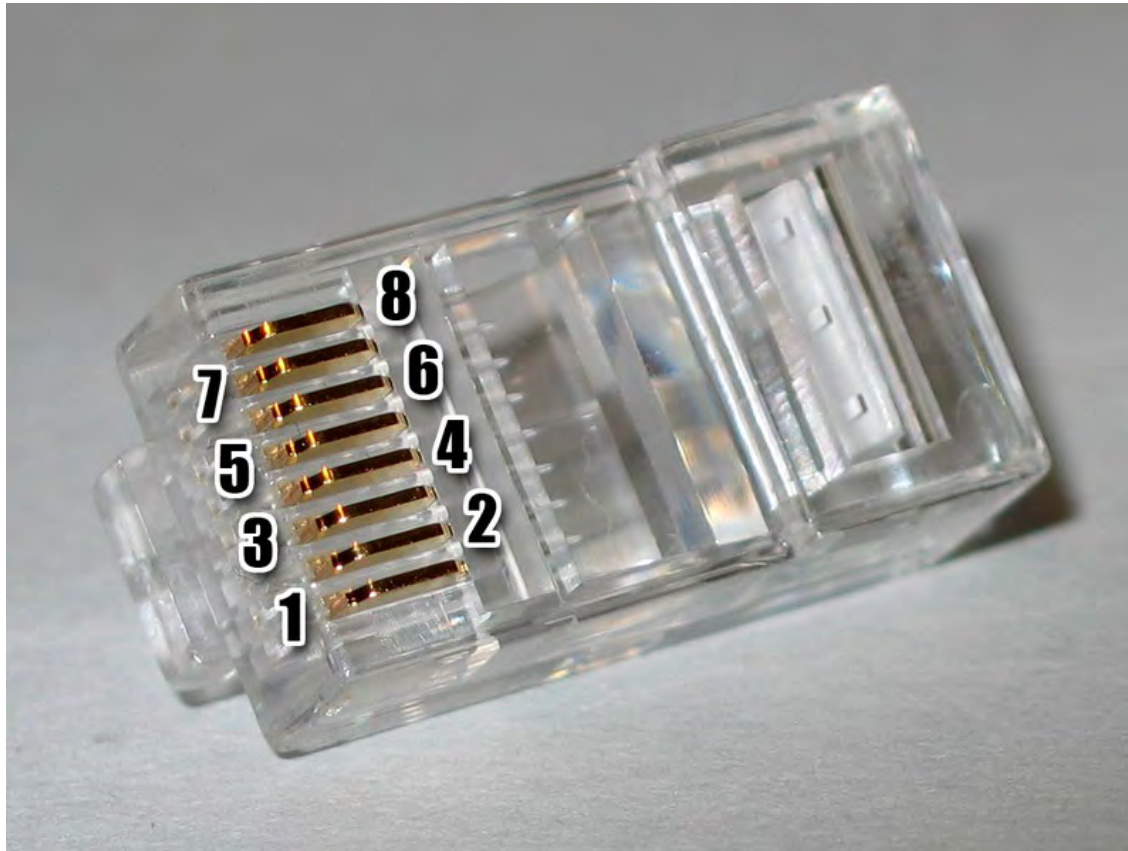
Programa

- Apresentação
- Plug RJ-45
- Transmissão de vídeo
- Aplicações
- Rede interna da edificação

Plug RJ-45



Plug RJ-45

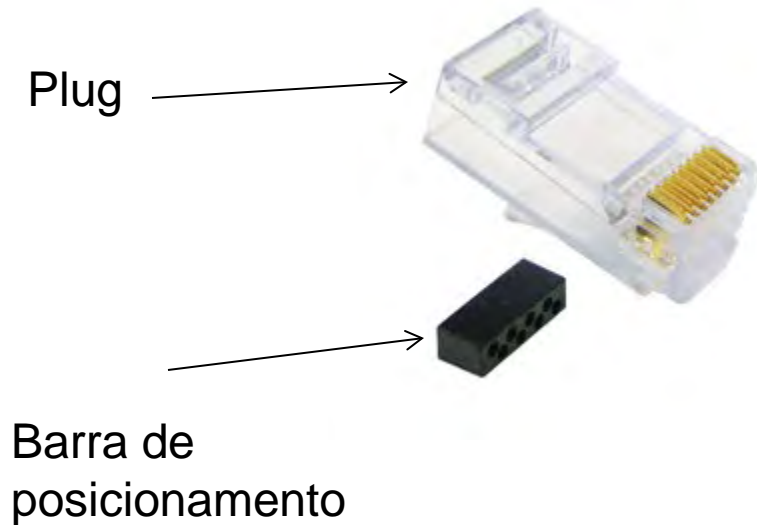


Plug RJ-45

- **BLINDAGEM**
 - Com
 - Sem
- **CATEGORIA**
 - 5e
 - 6
- **TIPO DO CONDUTOR**
 - Sólido (um único fio)
 - Flexível (vários fios)

Plug RJ-45

Sem blindagem

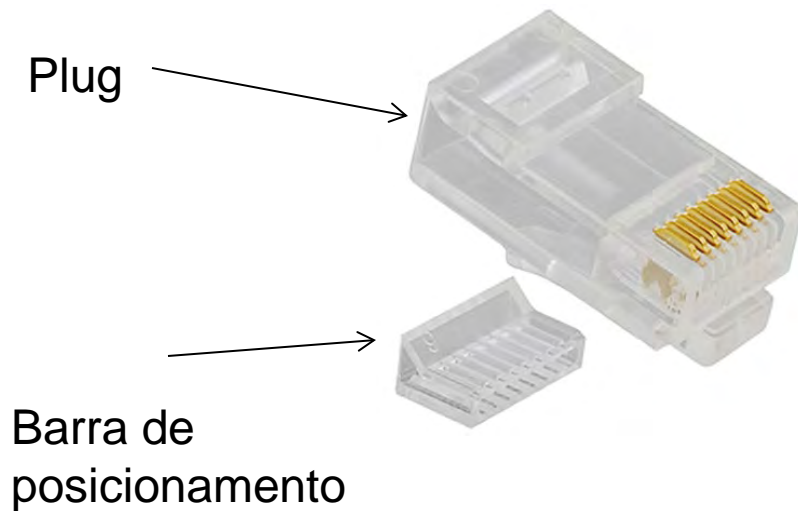


Blindado



Plug RJ-45

Categoria 5e



Categoria 6



Plug RJ-45

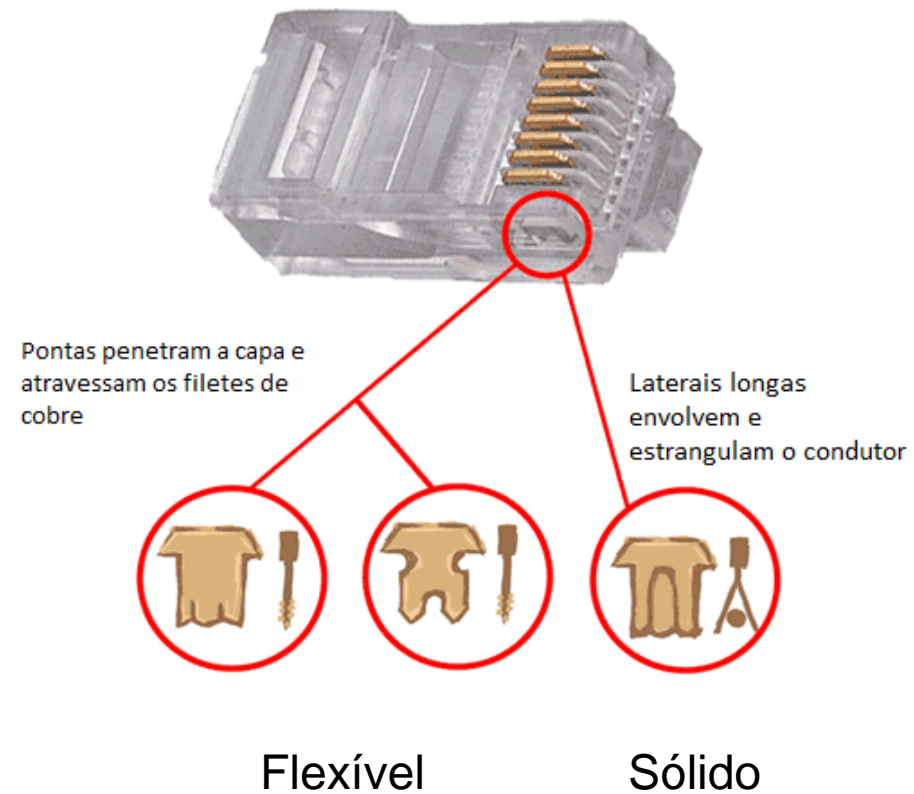
Condutor Sólido



Condutor Flexível



Plug RJ-45



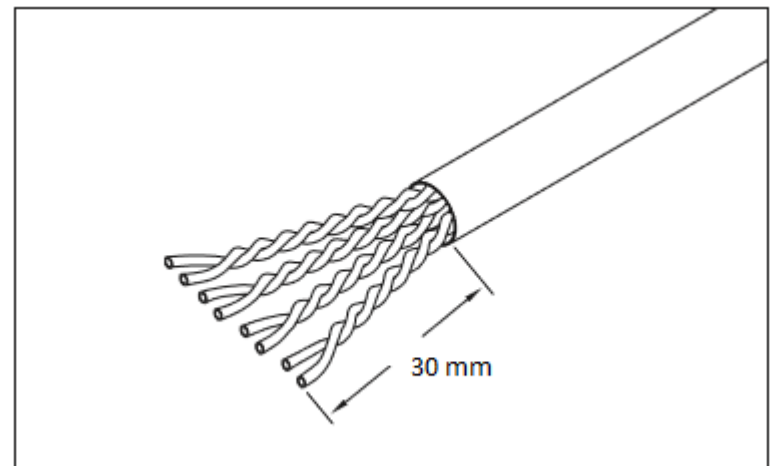
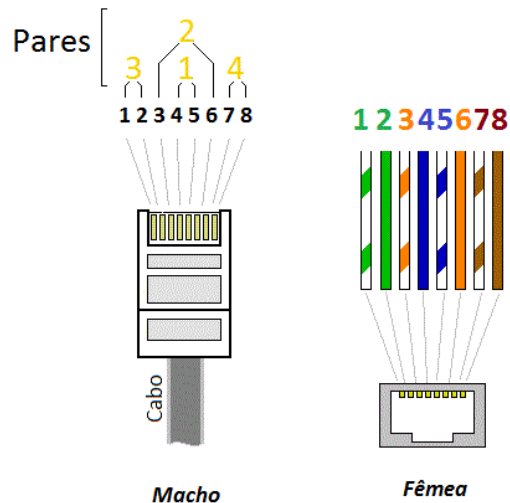
Plug RJ-45



Sólido

Flexível
(Vampiro)

Plug RJ-45

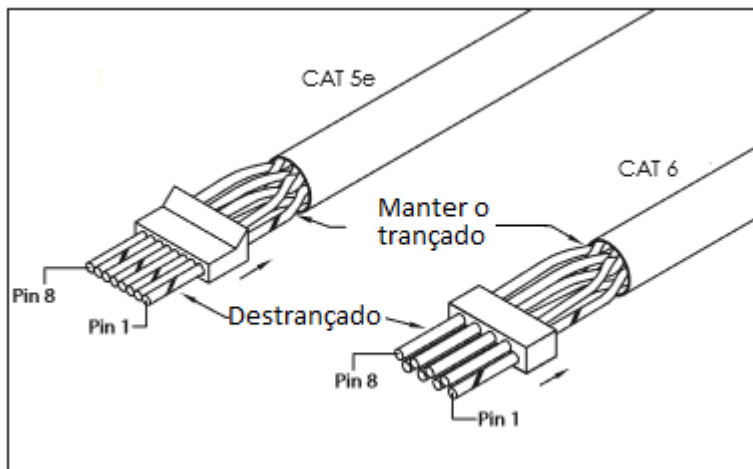


A Rhox usa:
Padrão de pinagem T-568A

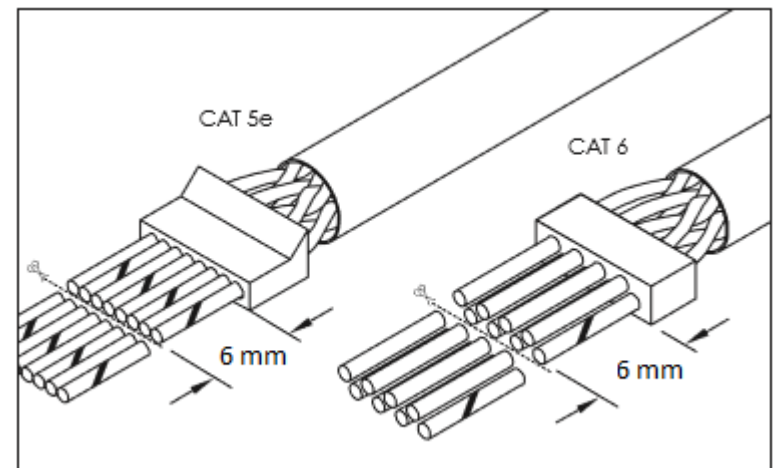
Descasca 40 mm da capa

* O padrão T-568B inverte os pares "2" (laranja) e "3" (verde)

Plug RJ-45

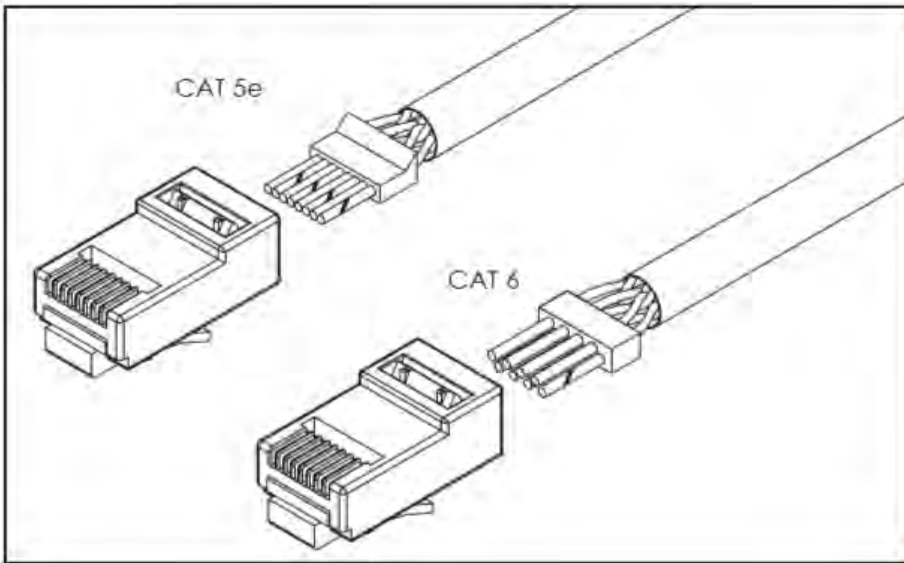


Destrança os pares
Encaixe os fios nos orifícios da barra
Deslize a barra até encostar junto à capa

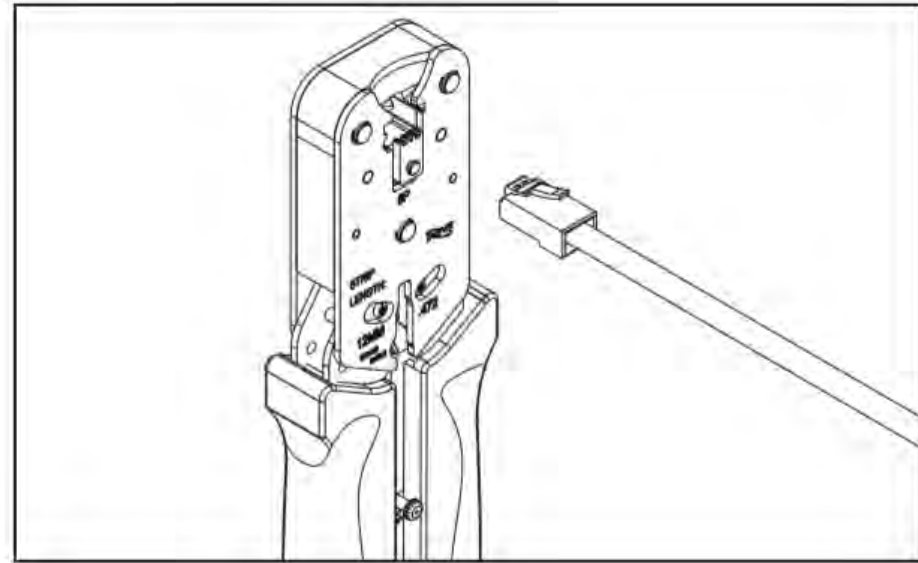


Marque 6 mm
Corte os excessos dos fios

Plug RJ-45

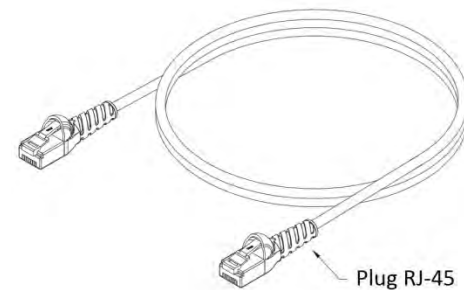
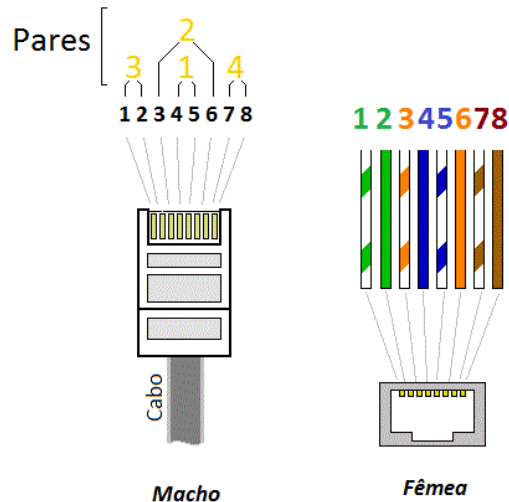


Insere os condutores com a barra no plug



Termina a conectorização
com a ferramenta de crimpagem

Plug RJ-45



A Rhox adota o padrão de pinagem **T-568A**

Há cordões nos dois padrões, **T-568A** e **T-568B**, mas isso não afeta o sistema pois a diferença é apenas nas cores dos condutores. Podem ser utilizados sem problemas.

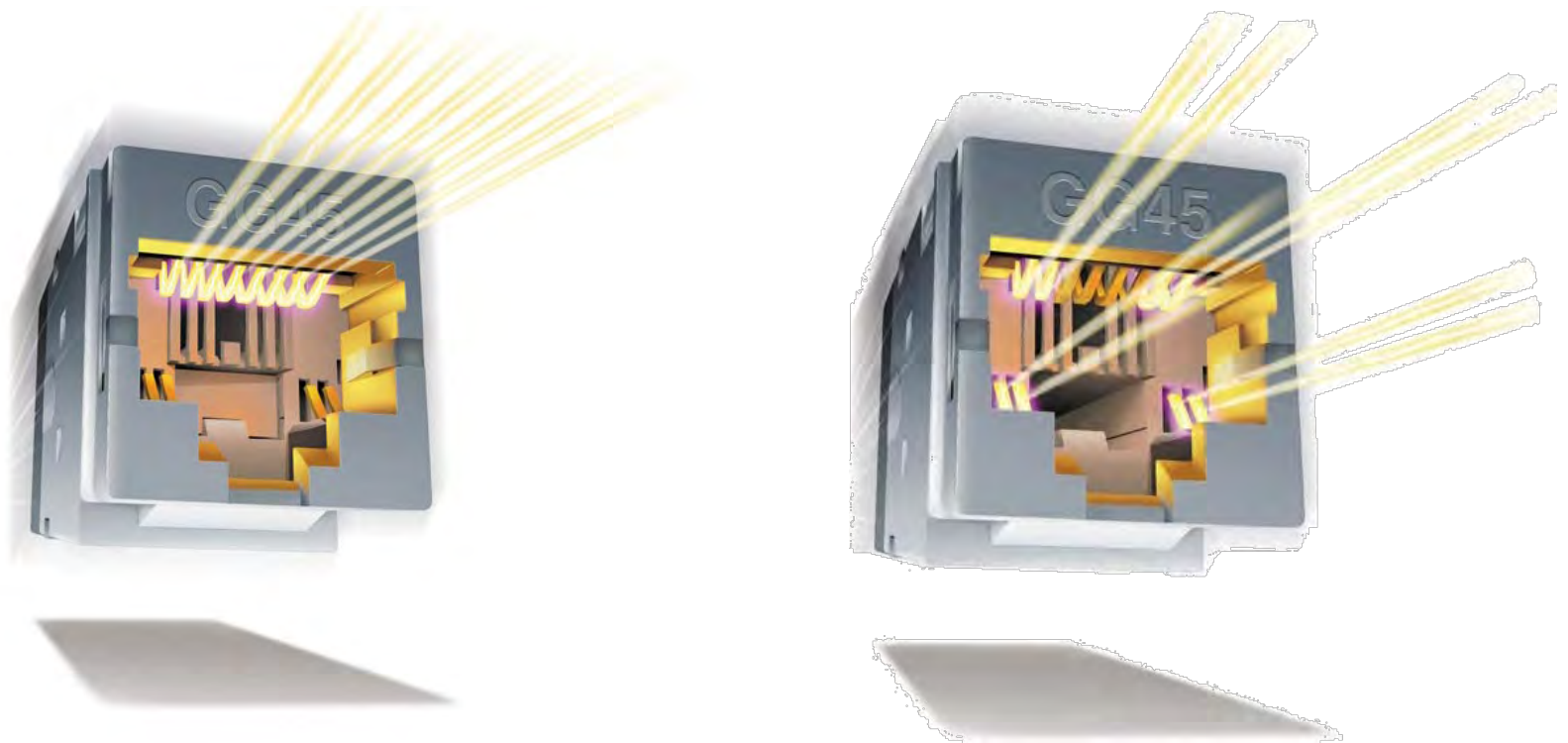
* O padrão T-568B inverte os pares “2” (laranja) e “3” (verde)

GG-45



Conector GG-45
lançado pela Nexans
É compatível mecanicamente
com os plugs RJ-45

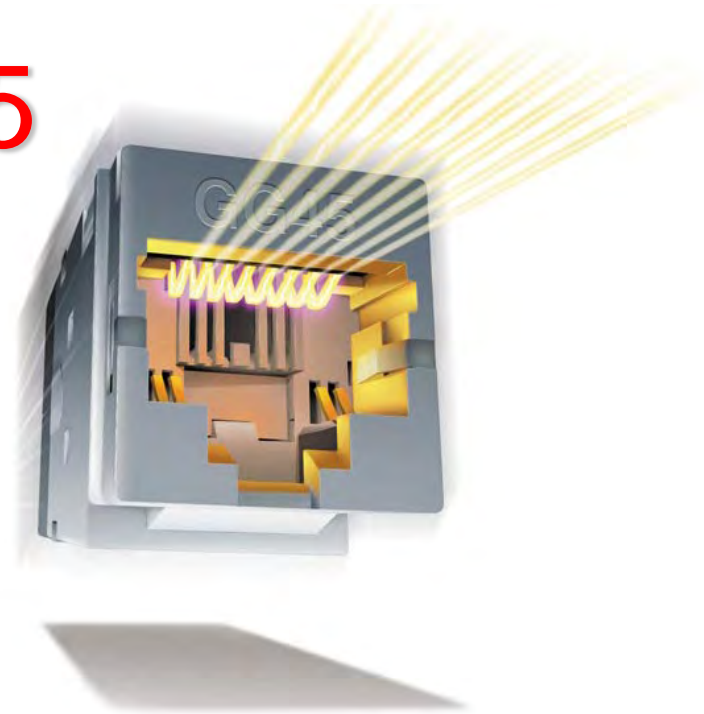
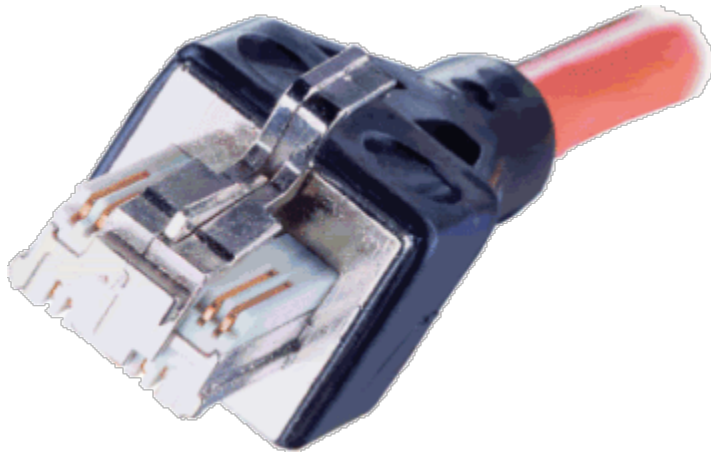
GG-45



a Nexans

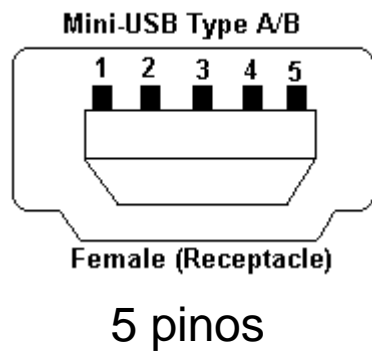
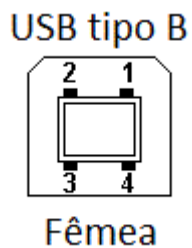
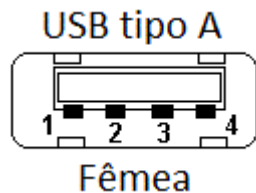
É compatível mecanicamente com os plugs RJ-45

GG-45



Conector GG-45
lançado pela Nexans
É compatível mecanicamente
com os plugs RJ-45

USB



Pino	Nome	Cor	
1	VBUS	Vermelho	Power
2	D-	Branco	Data -
3	D+	Verde	Data +
4	GND	Preto	Ground

USB

V 2.0 = 0,48 Gbps

V 3.0 = 5,00 Gbps



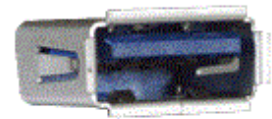
USB 2.0 Type A Plug



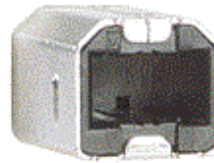
USB 2.0 Type A Jack



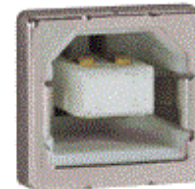
USB 3.0 Type A Plug



USB 3.0 Type A Jack



USB 2.0 Type B Plug



USB 2.0 Type B Jack



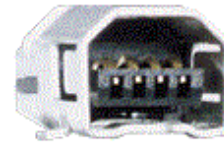
USB 3.0 Type B Plug



USB 3.0 Type B Jack



USB 2.0 Mini Type B Plug (4 Position)



USB 2.0 Type B Jack (4 Position)



USB 2.0 Micro Type B Plug



USB 2.0 Micro Type B Jack



USB 2.0 Mini Type B Plug (5 Position)



USB 2.0 Type B Jack (5 Position)

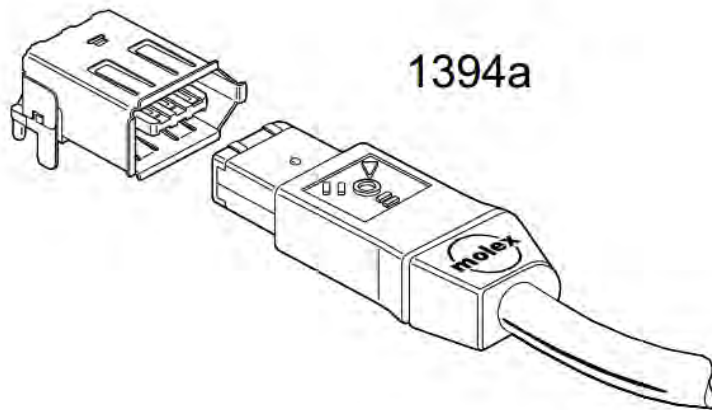


USB 3.0 Micro Type B Plug

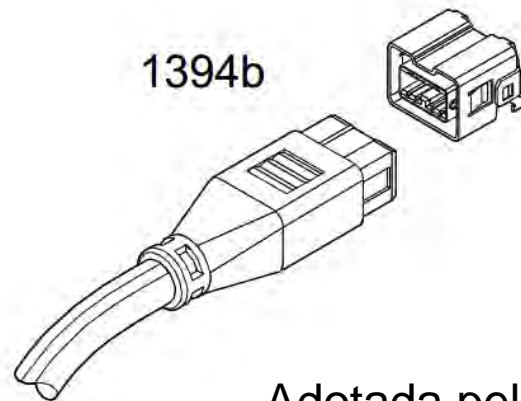


USB 3.0 Micro Type B Jack

FireWire (IEEE-1394)



1394a



1394b

Desenvolvida pela Apple

Fw 400 = 0,4 Gbps

Fw 800 = 0,8 Gbps

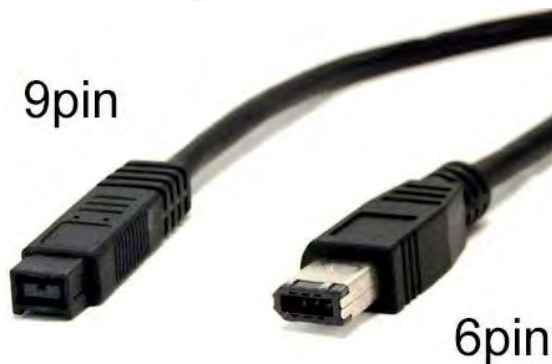
(até 4,5 m)

Adotada pela IEEE:

1394a = 0,4 Gbps

1394b = 3,6 Gbps

(até 100 m)



9pin

6pin

Outros conectores

