



telephone, voice and data

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TELEPHONE. DIALER

Dialer. It offers the same functions as a telephone when connected to headphones with a microphone.



AMC-101

CHARACTERISTICS	Dialer. It operates independently or together with a telephone. Mute, last number redial and recall function. Automatic pick-up and manual pick-up using button. Dialling with tones or pulses. Audio output for connecting to external recorder.
INPUTS	1 telephone, RJ-11 1 headphone with microphone, 4-contact modular connector
OUTPUTS	1 extension, RJ-11 1 rec, 3.5 mm stereo jack
CONTROLS	0-9 numbered keypad Button for picking/hanging up Mute button Recall button Last number redial button Pause button Headphone volume controls (loudspeaker and microphone) Call selector: high volume, low volume and automatic pick-up Recall selector: on/off Dial selector: tone or pulse
INDICATORS	LED operating indicators LED incoming call indicator LED mute indicator
DIMENSIONS	92 x 46 x 132 mm depth
WEIGHT	0.2 kg
ACCESSORIES	RJ-11 cable, 2 m

TELEPHONE. HEADPHONES WITH MICROPHONE

Headphone with wireless microphone for telephone use.



FMC-642i

CHARACTERISTICS	Headphone with wireless microphone for telephone use. Connection to telephone system or PC. Used in PC, perfect for video calls. It reaches up to 45 metres in open spaces, with a maximum of 25 metres recommended. Microphone with noise cancellation. Base with charge function: Quick battery recharge. Conversation time: 8 hours maximum. Volume control on the headphone and on the base. Call button on the headphone. For answering and hanging up easily. 2 attachment systems: headband and headphone mount. Automatic handset lifter for adapting to landline. Simple installation and easy configuration. Stylish and ergonomic design.
INPUTS	1 telephone, 4-contact modular connector Connection to PC, mini female USB Connection to automatic handset lifter, 3.5 mm jack
OUTPUTS	1 headphone with microphone, 4-contact modular connector
CONTROLS	Headphone: Call button Volume control Base: Volume control Telephone or PC connection selector Telephone type selector
INDICATORS	Headphone: LED power indicator Base: LED headphone recharge indicator LED power indicator LED PC mode indicator
OPERATING RANGE	45 metres in open space, a maximum of 25 metres recommended
CONVERSATION TIME	8 hours
RECHARGE TIME	45 minutes
STANDBY TIME	280 hours
POWER SUPPLY	9 V DC, 1 A with adapter included or through USB
DIMENSIONS	Headphone: 25 x 145 mm Base: 110 x 135 x 110 mm depth Automatic handset lifter: 105 x 40 x 72 mm depth
WEIGHT	Headphone: 20 g Base: 0.3 kg Automatic handset lifter: 0.1 kg

Headphones with microphone for telephone use. With multiconfiguration module for different telephone systems. Mute function and selection between headphone-microphone or telephone.
Cable with quick disconnection and clip.



FMC-640

FMC-650 **NI**

HEADPHONE	Mono headphone Response: 100-5000 Hz Sensitivity: 105 dB at 1 kHz ± 3 dB Impedance: 150 Ω Power: 30 mW maximum Loudspeakers: Mylar 27 mm Earpad: synthetic leather	Mono headphone Response: 200-5000 Hz Sensitivity: 105 dB at 1 kHz ± 3 dB Impedance: 150 Ω Power: 30 mW maximum Loudspeakers: 28 mm Mylar Earpad: synthetic leather
MICROPHONE	Capsule: omnidirectional electret condenser Response: 40-16 000 Hz Sensitivity: -44 dB (V/Pa) Impedance: 1000 Ω Mic. stand: Transparent extendable tube which rotates in all directions	Capsule: omnidirectional electret condenser Response: 40-16 000 Hz Sensitivity: -42 dB (V/Pa) Impedance: 2200 Ω Mic. stand: flexible tube with 300° rotation
CONNECTORS	4-contact modular	4-contact modular
CABLE	1.5 m extendable to approx. 3 m, with fast disconnection and holder clip	1.5 m extendable to approx. 2.5 m, with quick disconnection and holder clip
WEIGHT	0.1 kg	0.1 kg
ACCESSORIES	Multiconfiguration module to use as a hook up in different telephone systems, mute function and selection between microphone-headphone or telephone	Multiconfiguration module to use as a hook up in different telephone systems, mute function and selection between microphone-headphone or telephone Windshield



TF-902

Mini 4-contact. 4 m

Flat coiled cable with modular connector on both ends for connecting telephone to mic. headphone
Colour Ivory

TF-902-NE

Mini 4-contacts. 4 m

Same characteristics as model **TF-902**
Colour Black



TF-902A-MA

Mini 4-contact. 2 m

Flat coiled cable with modular connector on both ends for connecting telephones to mic. headphone
Colour Ivory

TF-902A-NE

Mini 4-contact. 2 m

Same characteristics as model **TF-902A-MA**
Colour Black



TF-903

Mini 4-contact. 4 m

Flat coiled cable with modular connector on both ends for connecting telephone to mic. headphone
Special connection for Forma telephone replacements
Colour Ivory

TF-903-2

Mini 4-contact. 2 m

Same characteristics as model **TF-903**
Length 2 m



TF-904-NE

4-contact. 4.5 m

Flat cable, half coiled and half uncoiled, with modular connector on both ends for extensions
Colour Black



TF-906

4-contact. 2.1 m

Flat uncoiled cable with modular connector on both ends for extensions.
Colour Ivory

TF-908

4-contact. 4.5 m

Same characteristics as model **TF-906**
Length 4.5 m



TF-914

4-contact. 4.5 m

Extension cord with duplex adapter. Converts 1 modular output into 2 outputs for connecting 2 telephones, fax, etc.
Colour Ivory



TF-918

4-contact. 2.1 m

Extension cable with 4-contact male and female modular connectors.
Colour Ivory

TF-918-6

6-contact. 2.1 m

Same characteristics as model **TF-918**
6-contact

TF-920

4-contact. 4.5 m

Same characteristics as model **TF-918**
Length 4.5 m

**TF-220**

4-contact

Duplex modular adapter. Converts 1 output to 2 for connecting 2 telephones, telefax, etc. Plug to 2 sockets

TF-220-6

6-contact

Same characteristics as model **TF-220**
6-contact

**TF-228**

Duplex modular adapter. Converts 1 x 8-contact output to 2 x 8 and 4-contact outputs

**TF-230**

4-contact

3-way phone modular adapter. 3 x 4-contact sockets

**TF-260**

4-contact

In-line modular adapter. For joining or extending lines. 4-contact input and output socket

TF-260-6

6-contact

Same characteristics as model **TF-260**
6-contact

**TF-700**

4-contact

5-output modular adapter. Converts 1 output to 5 for connecting different devices: telephones, telefax, etc.

**TF-280**

4-contact

Surface socket
Fix to wall with 2 screws included

**TF-290**

4-contact

Surface socket with output on the front
Fix to wall with screws included

**TF-430**

4-contact

Mini modular surface socket with side socket.
Fix with double-sided adhesive

**TF-440**

4-contact

Surface socket. Quick connection. Push on lid. Fix to wall with 2 screws

TF-440-6

6-contact

Same characteristics as model **TF-440**
6-contact

**TF-660**

4-contact

Surface socket with side socket and internal connection panel.
Push on lid.
Fix to wall with 2 screws and adhesive

TELEPHONE. CONNECTORS



TF-940 | 100 loose units
Y terminals for telephone cable



TF-950-5 | 5 unit blister pack
4-contact 6P4C (RJ-11) modular connector
For use in telephone installations

TF-950GR | 100 loose units
Same characteristics as model **TF-950-5**



TF-954-5 | 5 unit blister pack
Miniature 4-contact 4P4C modular connector
For use in telephone installations

TF-954GR | 100 loose units
Same characteristics as model **TF-954-5**



TF-956-5 | 5 unit blister pack
6-contact 6P6C (RJ-12) modular connector
For use in telephone installations

TF-956GR | 100 loose units
Same characteristics as model **TF-956-5**



TF-958-5 | 5 unit blister pack
8-contact 8P8C (RJ-45) modular connector
For use in telephone and communication installations

TF-958GR | 100 loose units
Same characteristics as model **TF-958-5**

TELEPHONE. ACCESSORIES

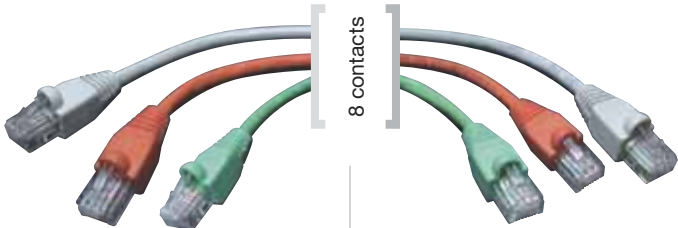


TF-802
Telephone line adapter.
Accessory for recording your telephone conversation.
Parallel connection through modular connector.
Additional auto start-stop for the cassette.



3370
Telephone recorder adapter
Held on by suction pads. 3.5 mm mono plug
Length 1 m

VOICE AND DATA. CABLES



TF-5101-GS | 8 contacts. 1 m
UTP category 5e cable, 2 x 8P8C connectors (RJ-45) with protector.
Length 1 m. Colour Grey

TF-5101-GS-3
Same characteristics as model **TF-5101-GS**. Length 3 m

TF-5101-GS-6
Same characteristics as model **TF-5101-GS**. Length 6 m

TF-5101-GS-10
Same characteristics as model **TF-5101-GS**. Length 10 m

TF-5101-NA
Same characteristics as model **TF-5101-GS**. Colour Orange

TF-5101-VE
Same characteristics as model **TF-5101-GS**. Colour Green

TF-5201-GS | 8 contacts. 1 m
UTP Cat 6 cable. 2 x 8P8C (RJ-45) connectors with protector.
Length 1 m. Colour Grey

TF-5201-GS-3
Same characteristics as model **TF-5201-GS**. Length 3 m

TF-5201-GS-6
Same characteristics as model **TF-5201-GS**. Length 6 m

TF-5201-GS-10
Same characteristics as model **TF-5201-GS**. Length 10 m



TF-550 8-contact

RJ-45 adapter.
For joining or extending lines.
Female 8-contact RJ-45 input and output

VOICE AND DATA. CONNECTORS



TF-5120-5 5 unit blister pack

8P8C modular connector (RJ-45) with 8 gold-plated 50 µ contacts for cat 5e and 6 UTP cord with solid conductors.
5 unit blister pack.

TF-5120-GR 100 loose units

Same characteristics as model TF-5120-5



TF-5160-5 5 unit blister pack

8P8C connector (RJ-45) with 8 gold-plated 50µ contacts, for cat 5e and 6 UTP cord with stranded conductors.

TF-5160-GR 100 loose units

Same characteristics as model TF-5160-5



TF-5130-5 5 unit blister pack

8P8C shielded modular connector (RJ-45)with 8 gold-plated 50µ contacts for STP/FTP shielded cat 5e and 6 cable with solid and stranded conductors

TF-5130-GR 100 loose units

Same characteristics as model TF-5130-5



TF-5140GS-5 5 unit blister pack

Protective cap for 8P8C (RJ-45) connector and 5.5 mm Ø cable.
Colour Grey

TF-5140GS-GR 100 loose units

Same characteristics as model TF-5140GS-5

TF-5140NA-5 5 unit blister pack

Protective cap for 8P8C (RJ-45) connector and 5.5 mm Ø cable
Colour Orange

TF-5140NA-GR 100 loose units

Same characteristics as model TF-5140NA-5

TF-5140VE-5 5 unit blister pack

Protective cap for 8P8C (RJ-45) connector and 5.5 mm Ø cable
Colour Green

TF-5140VE-GR 100 loose units

Same characteristics as model TF-5140VE-5



TF-5145GS-5 5-unit blister pack

Protector cap for 8P8C (RJ-45) connector and 6.5 mm Ø cable.
Colour Grey

TF-5145GS-GR 100 loose units

Same characteristics as model TF-5145GS-5

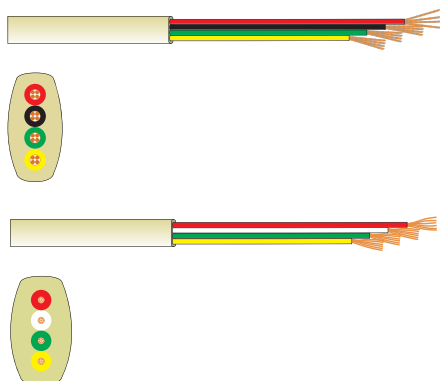
VOICE AND DATA. TESTERS



TCAT-8

CHARACTERISTICS	RJ-45, RJ-11 and RJ-12 cable tester. Composed of a transmitter and a receiver. For checking the continuity, and telephone and voice and data cable connectors (Cat 5e/6). Normal and slow checking mode.
CONNECTORS	RJ-45, RJ-11 and RJ-12
INDICATORS	LED checking indicators
POWER SUPPLY	1 x 6LR61, 9 V battery
DIMENSIONS	Transmitter: 66 x 30 x 105 mm depth Receiver: 38 x 30 x 105 mm depth
WEIGHT	0.2 kg

CABLES. TELEPHONE



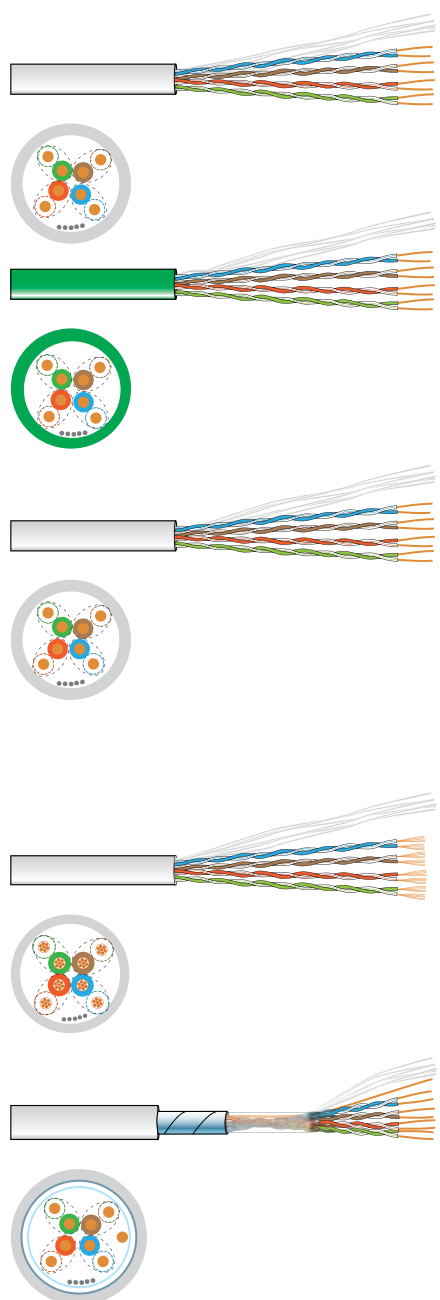
TF-924-MA [200 m reel]

Flat cable with 4 conductors for telephone use and modular connectors.
Jacket: 4.8 x 2.4 mm, ivory PVC.
4 cables:
Conductor jacket: 0.95 mm Ø, red, yellow, green or black PP.
Conductor: 4 threads of 0.22 mm Ø tinsel.

TF-925-MA [200 m reel]

Flat cable with 4 conductors for telephone use and modular connectors.
Jacket: 4.8 x 2.7 mm, ivory PVC.
4 cables:
Conductor jacket: 0.9 mm Ø, red, yellow, green or white PP.
Conductor: 7 threads of 0.1 mm Ø copper.

CABLES. CAT 5e VOICE AND DATA



24 AWG

TF-5310-GS [100 m reel]

Category 5e UTP cable. 100 MHz. 8 solid conductors in 4 colour-coded twisted pairs for voice and data.
Nylon rip cord.
Jacket: 5.3 mm Ø, grey PVC.
8 cables:
Conductor jacket: 0.9 mm Ø, green, green/white, orange, orange/white, brown, brown/white, blue, blue/white PE.
Conductor: 1 thread of 0.5 mm Ø CCA (24 AWG)

24 AWG

TF-5310-VE [100 m reel]

Same characteristics as model **TF-5310-GS**. Jacket green PVC.

24 AWG

LSZH

TF-5310-GSZH [100 m reel]

Cable with LSZH jacket for installation in public buildings in accordance with Spanish R.B.T standards.
Cat 5e UTP 100 MHz cable with 8 solid conductors, in 4 groups of twisted colour-coded pairs for voice and data.
Nylon rip cords,
Jacket: 5.3 mm Ø, grey LSZH.
8 cables:
Conductor jacket: 0.9 mm Ø. Green, green/white, orange, orange/white, brown, brown/white, blue, blue/white
Conductor: 1 solid 0.5 mm Ø CCA thread (24 AWG).

24 AWG

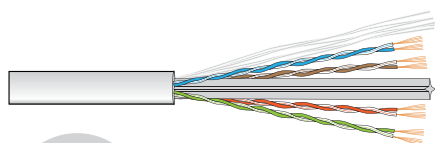
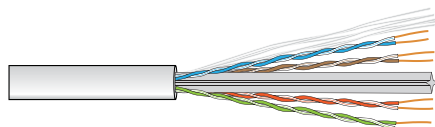
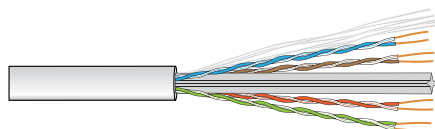
TF-5350-GS [100 m reel]

Category 5 UTP cable. 100 MHz. 8 stranded conductors in 4 twisted colour-coded pairs for voice and data.
Nylon rip cord.
Jacket: 5.3 mm Ø, grey PVC.
8 cables:
Conductor jacket: 1 mm Ø, green, green/white, orange, orange/white, brown, brown/white, blue, blue/white.
Conductor: 7 threads of 0.18 mm Ø CCA (24 AWG)

24 AWG

TF-5315-GS [100 m reel]

Shielded FTP category 5 cable, 100 MHz, with 8 solid conductors in 4 colour-code twisted pairs and draining for voice and data
Nylon rip cord
Jacket: 5.8 mm Ø, grey PVC
Screen: Mylar aluminium tape
Draining: 1 thread of 0.5 mm Ø CCA
8 cables:
Conductor jacket: 1 mm Ø, green, green/white, orange, orange/white, brown, brown/white, blue, blue/white
Conductor: 1 thread of 0.5 mm Ø CCA (24 AWG)

**TF-5320-GS** [100 m reel]

23 AWG

Cat 6 250 MHz UTP cable with 8 solid conductors, in 4 groups of twisted colour-coded pairs for voice and data.

Nylon rip cords.

Jacket: 6.2 mm Ø, grey PVC.

8 cables:

Conductor jacket: 1 mm Ø. Green, green/white, orange, orange/white, brown, brown/white, blue, blue/white PE

Conductor: 1 CCA cable, 0.56 mm Ø (23 AWG).

24 AWG

LSZH

TF-5320-GSZH [100 m reel]

Cable with LSZH jacket for installation in public buildings in accordance with Spanish R.B.T standards.

Cat 6 250 MHz UTP cable with 8 solid conductors, in 4 groups of twisted colour-coded pairs for voice and data.

Nylon rip cords.

Jacket: 6 mm Ø, grey LSZH.

8 cables:

Conductor jacket: 0.9 mm Ø. Green, green/white, orange, orange/white, brown, brown/white, blue, blue/white

Conductor: 1 solid CCA cable, 0.5 mm Ø (24 AWG).

24 AWG

TF-5330-GS [100 m reel]

Category 6 UTP cable. 250 MHz. 8 stranded conductors in 4 twisted colour-coded pairs for voice and data.

Nylon rip cord.

Jacket: 6 mm Ø, grey PVC.

8 cables:

Conductor jacket: 1 mm Ø, green, green/white, orange, orange/white, brown, brown/white, blue, blue/white PE.

Conductor: 7 threads of 0.18 mm Ø CCA (24 AWG).

TOOLS. PLIERS

TC-7301

Crimp tool for installing crimp style BNC, RCA, UHF connectors, etc. in RG-58 and RG-59 cables.
Quick assembly.

**TF-999**

2, 4, 6 y 8 contacts

Crimp tool for installing RJ-45 8-contact, RJ-12 6-contact and RJ-11 2 and 4 contact modular connectors.
Tool for cutting and stripping flat cables.

**TF-997**

2, 4, 6 y 8 contacts

Crimp tools for installing 8-contact RJ-45, 6-contact RJ-12 and 2 and 4-contact RJ-11 modular connectors.
Cuts and strips flat and round cables. Lineal movement and low hand force.
Block mechanism with ratchet

