

Vital Signs
a CareFusion company



Monitoring ECG connection guide
IEC products

Multi-Link® Series - rectangular connector – 3-Lead
Multi-Link Series - rectangular connector - 3/5-Lead
Multi-Link Series- rectangular connector- 6-Lead
Multi-Link Series- rectangular connector- 12-Lead

4–15

**Compatibility from rectangular Multi-Link connector
to 300-Series leadwires -3/5-Lead**
**Compatibility from Round Nicolay Connector to
Multi-Link leadwires -3/5-Lead**
300-Series - Round Nicolay connector - 3/5-Lead

16–23

Multi-Link Series- telemetry – 3-, 5-, 6-Lead

24–29

Multi-Link Series -radiolucent - 5-Lead, 12-Lead

30–31

DIN converters

32–33

Electrode application guide

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Instructions for use

For detailed information on the use of these products, always refer to the user guide / Instructions for use accompanying the product / device.

Local regulations may affect product availability, so some products may not be available for sale in all countries. Please check with your local Vital Signs representative.

Multi-Link Series - rectangular connector - 3-Lead

Monitor



Dash® 3000/4000/5000

Solar® 7000, 8000/M/i, 9500
with TRAM 450, 451, 850, 851

S/5 with M-PRESTN, M-RESTN, M-PRETN,
E-PRESTN, E-RESTN, E-PRETN, FM with E-PSM(P)

CARESCAPE® Monitors B450, B650 and B850
with E-PRESTN, E-RESTN, E-PRETN, E-PSM(P) and
Patient Data Module (PDM)

B20, B30, B40 Patient Monitors

Trunk cable



Multi-Link 3-Lead ECG care cable with
integrated grabber leadwire, IEC

2021141-002 3.6 m



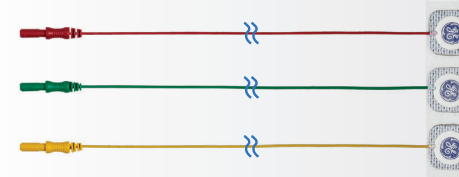
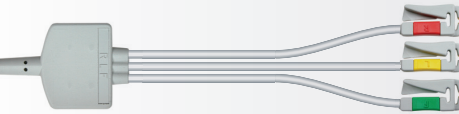
Multi-Link 3-Lead ECG care cable
neonatal DIN, IEC

2017004-003 3.6 m

2017004-004 1.2 m

Not for neonates under 5 kgs with
M/E-Series modules.

Leadwire



Neonatal cloth radiolucent electrodes with
pre-attached DIN leadwires, IEC

2009101-406

Electrodes



Suggestion electrode: 2009110-XXX

Refer to the electrode application guide in the
back for additional offerings.

Multi-Link Series - rectangular connector - 3/5-Lead

Monitor



Dash 3000/4000/5000

Solar 7000, 8000/M/i, 9500
with TRAM 450, 451, 850, 851

S/5 with M-PRESTN, M-RESTN, M-PRETN,
E-PRESTN, E-RESTN, E-PRETN, FM with E-PSM(P)

CARESCAPE Monitors B450, B650 and B850
with E-PRESTN, E-RESTN, E-PRETN, E-PSM(P) and
Patient Data Module (PDM)

B20, B30, B40 Patient Monitors

Trunk cable

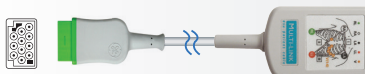


Multi-Link 3/5-Lead ECG Care cable, IEC

2017003-003 3.6 m

2017003-004 1.2 m

412931-022 6.0 m



Multi-Link 3/5-Lead ECG Care cable
w/ESU filter, IEC

2022948-002 3.6 m

Note! Not for E-Series Modules

Leadwire



Multi-Link 3-Leadwire set, grouped, grabber, IEC, 3/set

412682-003 74 cm

412682-004 130 cm



Multi-Link 3-Leadwire set, grouped, snap, IEC, 3/set

411203-003 74 cm

411203-004 130 cm



Multi-Link 5-Leadwire set, individually
replaceable, grabber, IEC, 5/set

414556-003 74 cm

414556-004 130 cm

414556-006 130/74 cm (mixed)



Multi-Link 5-Leadwire set, individually
replaceable, snap, IEC, 5/set

411200-003 74 cm

411200-004 130 cm

411200-006 130 cm/74 cm (mixed)

Continued on next page ↓

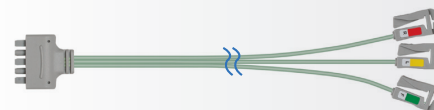
Electrodes



Electrode suggestion: 2009110-XXX

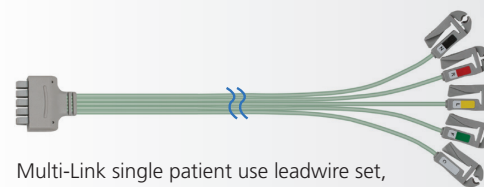
Refer to the electrode application guide in the
back for additional offerings.

Leadwire



Multi-Link single patient use leadwire set,
3-Lead, grabber, IEC

[2052133-001](#) 1 m/39 in



Multi-Link single patient use leadwire set,
5-Lead, grabber, IEC

[2052133-002](#) 1.0 m/39 in

[2052133-003](#) 0.75 m/29 in



Multi-Link single patient use leadwire set,
3-Lead, snap, IEC

[2052104-001](#) 1.0 m/39 in



Multi-Link single patient use leadwire set,
5-Lead, snap, IEC

[2052104-002](#) 1.0 m/39 in

[2052104-003](#) 0.75 m/29 in

Electrodes



Electrode suggestion: [2009110-XXX](#)

Refer to the electrode application guide in
the back for additional offerings.

Multi-Link Series - rectangular connector - 6-Lead

Monitor



Solar 8000i with CARESCAPE Patient Data Module, (PDM)

CARESCAPE Monitors B450, B650 and B850 with E-PRESTN, E-RESTN, E-PRETN, E-PSM(P) and Patient Data Module (PDM) with CARESCAPE software

Trunk cable

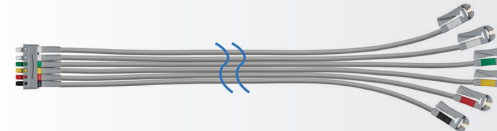


Multi-Link 6-Lead ECG care cable, IEC

[2017005-003](#) 3.6 m/12 ft

[2017005-004](#) 1.2 m/4 ft

Leadwire

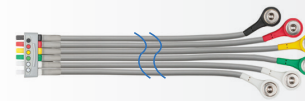


Multi-Link 6-Leadwire set, individually replaceable, grabber, IEC

[421933-001](#) 74 cm/29 in

[421933-002](#) 130 cm/51 in

[421933-003](#) 130 cm/51 in, and 74 cm/29 in (mixed)



Multi-Link 6-Leadwire set, individually replaceable, snap, IEC

[421931-001](#) 74 cm/29 in

[421931-002](#) 130 cm/51 in

[421931-003](#) 130 cm/51 in, and 74 cm/29 in (mixed)

Electrodes



Electrode suggestion: [2009110-XXX](#)

Refer to the electrode application guide in the back for additional offerings.

Multi-Link Series - rectangular connector - 12-Lead

Monitor



Dash 3000/4000/5000

Solar 7000, 8000/M/i, 9500 with
TRAM 450, 451, 850, 851

Solar 8000i with CARESCAPE Patient Data Module
(PDM)

S/5 with M-PRESTN, M-RESTN, M-PRETN,
E-PRESTN, E-RESTN, E-PRETN, FM with E-PSM(P)

CARESCAPE Monitors B450, B650 and B850 with
E-PRESTN, E-RESTN, E-PRETN, E-PSM(P) and Patient
Data Module (PDM)

Trunk cable

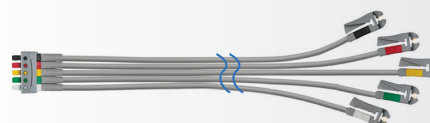


Multi-Link 12 SL ECG care cable, IEC

2017006-003 3.6 m

2017006-004 1.2 m

Leadwire



Multi-Link 5-Leadwire set, individually
replaceable, grabber, IEC, 5/set

414556-003 74 cm

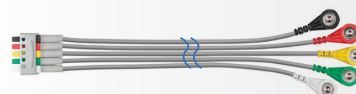
414556-004 130 cm



Multi-Link 5-leadwire set, individually replaceable,
grabber, C2-C6, IEC, 5/set

416467-004 74 cm

416467-002 130 cm



Multi-Link 5-leadwire set, individually
replaceable, snap, IEC, 5/set

411200-003 74 cm

411200-004 130 cm

411200-006 130 cm/74 cm (mixed)



Multi-Link 5-leadwire set, individually replaceable,
snap, C2-C6, IEC, 5/set

416468-004 74 cm

416468-002 130 cm

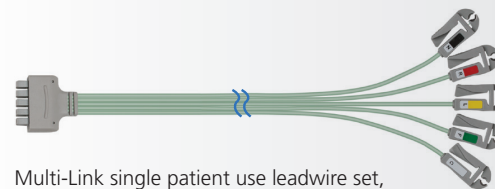
Electrodes



Suggestion electrode: 2009110-XXX

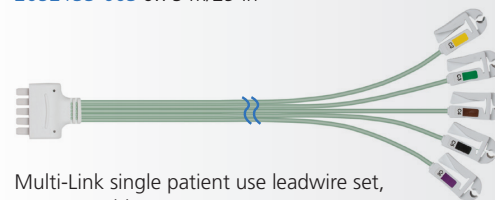
Refer to the electrode application guide in
the back for additional offerings.

Leadwire



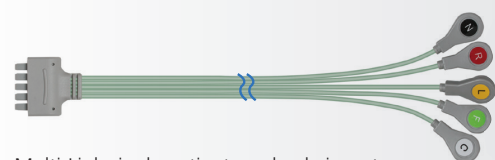
Multi-Link single patient use leadwire set,
5-Lead, grabber, IEC

[2052133-002](#) 1.0 m/39 in
[2052133-003](#) 0.75 m/29 in



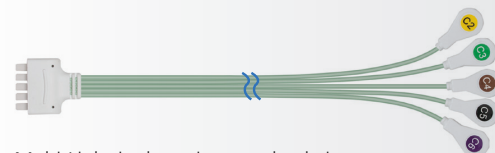
Multi-Link single patient use leadwire set,
C2-C6, grabber, IEC

[2052133-004](#) 1.0 m/39 in



Multi-Link single patient use leadwire set,
5-Lead, snap, IEC

[2052104-002](#) 1.0 m/39 in
[2052104-003](#) 0.75 m/29 in



Multi-Link single patient use leadwire set,
C2-C6, snap, IEC

[2052104-004](#) 1.0 m/39 in

Electrodes



Electrode suggestion: [2009110-XXX](#)

Refer to the electrode application guide in the back for additional offerings.

Compatibility from rectangular Multi-Link connector to 300-Series Leadwires - 3/5-Lead

Monitor

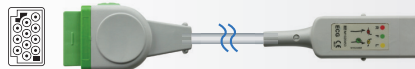


Dash 3000/4000/5000

S/5 with M-PRESTN, M-RESTN, M-PRETN,
E-PRESTN, E-RESTN, E-PRETN, FM with E-PSM(P)

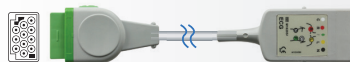
CARESCAPE Monitors B450, B650 and B850
with E-PRESTN, E-RESTN, E-PRETN, E-PSM(P) and
Patient Data Module (PDM)

Trunk cable



Compatibility 3-Lead cable from Multi-Link to
300-series leadsets, IEC

[M1020453](#) 3.0 m



Compatibility 5-Lead cable from Multi-Link to
300-series leadsets, IEC

[M1020541](#) 3.0 m

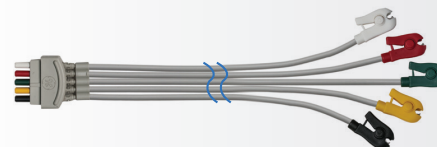
Leadwire



300-series 3-Leadwire set with clips, ungrouped, IEC

[545315-HEL](#) 75 cm

[8001960](#) 150 cm



300-series 5-Leadwire set with clips, ungrouped, IEC

[545316-HEL](#) 125/75 cm (mixed)

[8001961](#) 150 cm

Electrodes

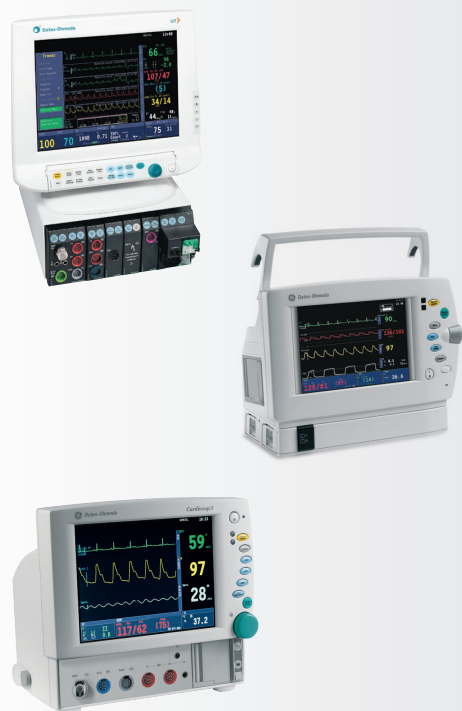


Electrode suggestion: [2009110-XXX](#)

Refer to the electrode application guide in
the back for additional offerings.

Compatibility from round Nicolay connector to Multi-Link Leadwires - 3/5-Lead

Monitor



AS/3, CS/3, S/5 with M-ESTPR, M-ETPR,
M-ESTP, M-EST, M-ETP, M-NESTPR,
M-NETPR, M-NESTR

S/5 Light monitor

Cardiacap® 5

Trunk cable

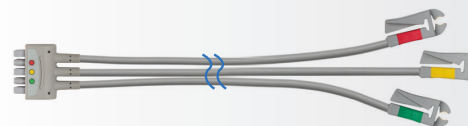
**Note: Not applicable with monitor
software
level of 1998 or below.**



Compatibility Multi-Link 3/5-Lead trunk cable
from round Nicolay connector to Multi-Link
leadwire set, IEC

M1020547 3.0 m

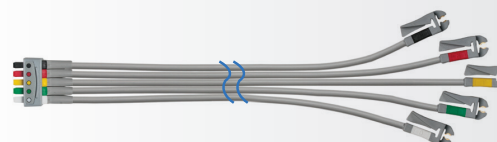
Leadwire



Multi-Link 3-Leadwire set, grabber, grouped, IEC, 3/set

412682-003 74 cm

412682-004 130 cm



Multi-Link 5-Leadwire set, individually
replaceable, grabber, IEC, 5/set

414556-003 74 cm

414556-004 130 cm



Multi-Link 5-Leadwire set, individually
replaceable, snap, IEC, 5/set

411200-003 74 cm

411200-004 130 cm

411200-006 130/74 cm (mixed)



Multi-Link 3-Leadwire set, grouped, snap,
IEC, 3/set

411203-003 74 cm

411203-004 130 cm

Electrodes



Electrode suggestion: 2009110-XXX

Refer to the electrode application guide in the
back for additional offerings.

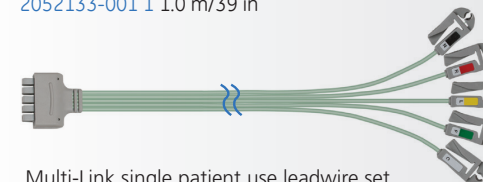
Continued on next page ↓

Leadwire



Multi-Link single patient use leadwire set,
3-Lead, grabber, IEC

2052133-001 1.0 m/39 in



Multi-Link single patient use leadwire set,
5-Lead, grabber, IEC

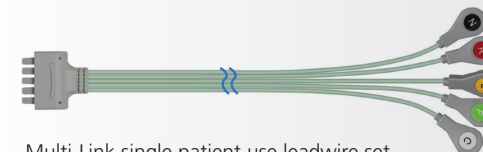
2052133-002 1.0 m/39 in

2052133-003 0.75 m/29 in



Multi-Link single patient use leadwire set,
3-Lead, snap, IEC

2052104-001 1.0 m/39 in



Multi-Link single patient use leadwire set,
5-Lead, snap, IEC

2052104-002 1.0 m/39 in

2052104-003 0.75 m/29 in

Electrodes



Electrode suggestion: 2009110-XXX

Refer to the electrode application guide in the
back for additional offerings.

300-Series – round Nicolay connector - 3/5-Lead

Monitor

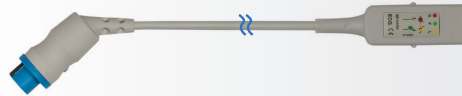


S/5 with M-ESTPR, M-ETPR,
M-ESTP, M-EST, M-ETP,
M-NESTPR, M-NETPR, M-NESTR

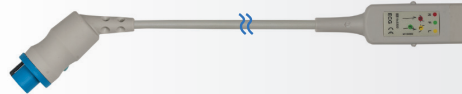
S/5 Light monitor

Cardiocap 5

Trunk cable



300-series 3-Lead cable, IEC
545300-HEL 3.0 m
545304 5.0 m

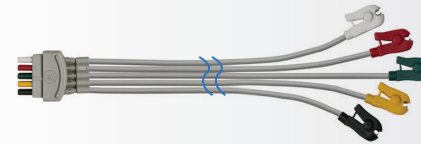


300-series 5-Lead cable, IEC
545301-HEL 3.0 m

Leadwire



300-series 3-Lead set with clips, ungrouped, IEC
545315-HEL 75 cm
8001960 150 cm



300-series 5-Lead set with clips, ungrouped, IEC
545316-HEL 125/75 cm (mixed)
8001961 150 cm

Electrodes



Electrode suggestion: 2009110-XXX

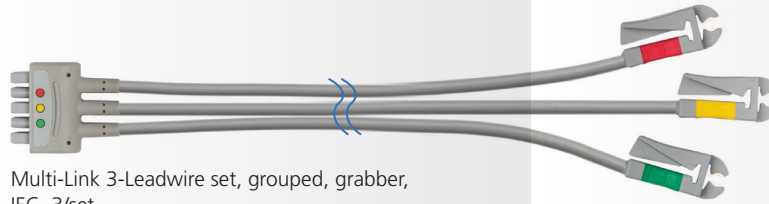
Refer to the electrode application guide in
the back for additional offerings.

Telemetry



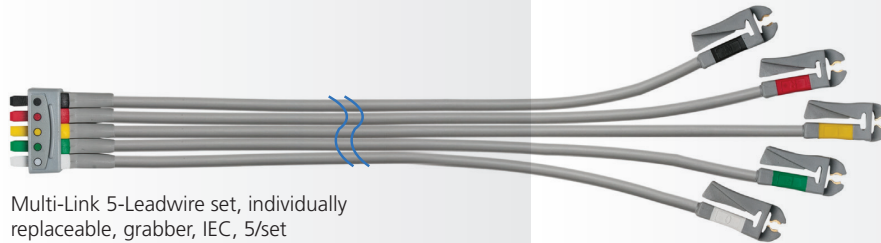
Apex S®
(3 and 5 Leads Only)

Leadwire



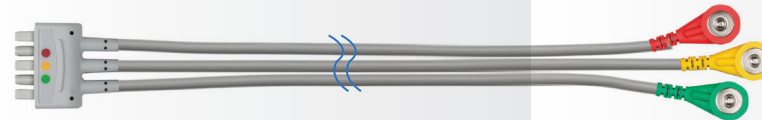
Multi-Link 3-Leadwire set, grouped, grabber, IEC, 3/set

412682-003 74 cm/29 in



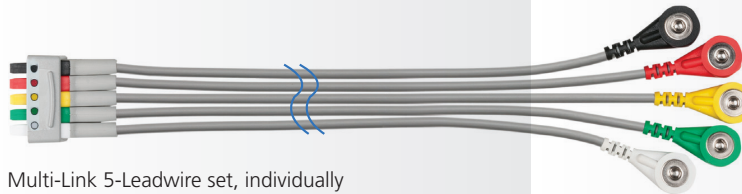
Multi-Link 5-Leadwire set, individually replaceable, grabber, IEC, 5/set

414556-003 74 cm/29 in



Multi-Link 3-Leadwire set, grouped, snap, IEC, 3/set

411203-003 74 cm/29 in



Multi-Link 5-Leadwire set, individually replaceable, snap, IEC, 5/set

411200-003 74 cm/29 in

Continued on next page ↓

Electrodes



Electrode suggestion: 2009111-XXX

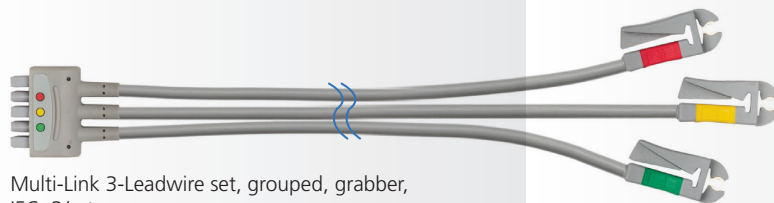
Refer to the electrode application guide in the back for additional offerings.

Telemetry



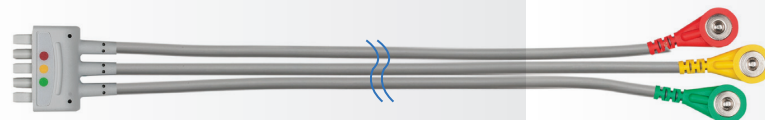
ApexPro® CH, CARESCAPE T4 (3, 5 AND 6 Leads)

Leadwire



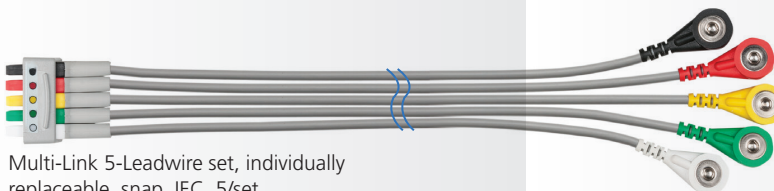
Multi-Link 3-Leadwire set, grouped, grabber, IEC, 3/set

412682-003 74 cm/29 in



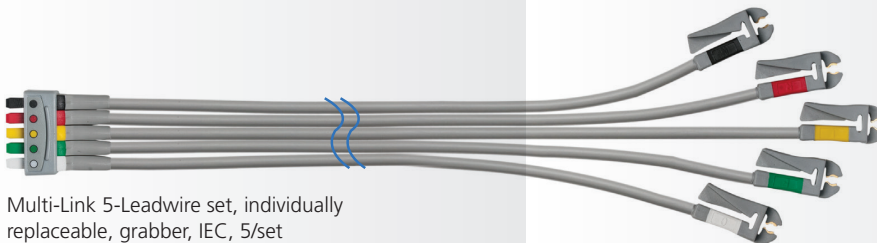
Multi-Link 3-Leadwire set, grouped, snap, IEC, 3/set

411203-003 74 cm/29 in



Multi-Link 5-Leadwire set, individually replaceable, snap, IEC, 5/set

411200-003 74 cm/29 in



Multi-Link 5-Leadwire set, individually replaceable, grabber, IEC, 5/set

414556-003 74 cm/29 in

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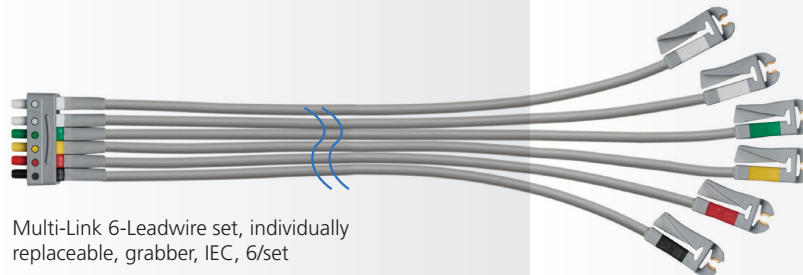
Electrodes



Electrode suggestion: 2009111-XXX

Refer to the electrode application guide in the back for additional offerings.

Leadwire



Multi-Link 6-Leadwire set, individually replaceable, grabber, IEC, 6/set

421933-001 74 cm/29 in



Multi-Link 6-Leadwire set, individually replaceable, snap, IEC, 6/set

421931-001 74 cm/29 in

Electrodes



Electrode suggestion: 2009111-XXX

Refer to the electrode application guide in the back for additional offerings.

Multi-Link Series- radiolucent - 5-Lead, 12-Lead

Monitor



Dash 3000/4000/5000

S/5 with M-PRESTN, M-RESTN, M-PRETN,
E-PRESTN, E-RESTN, E-PRETN, FM with E-PSM(P)

CARESCAPE Monitors B450, B650 and B850
with E-PRESTN, E-RESTN, E-PRETN, E-PSM(P) and
Patient Data Module (PDM)

B20, B30, B40 Patient Monitors (3/5 lead only)

Trunk cable



Multi-Link 3/5-Lead ECG care cable, IEC

2017003-003 3.6 m

2017003-004 1.2 m

412931-022 6.0 m

Multi-Link
5-Lead DIN
converter

414370-001



Multi-Link 3/5-Lead ECG
care cable w/ESU filter, IEC

2022948-002 3.6 m

Note! Not for E-Series Modules



Multi-Link 12 SL ECG care cable, IEC

2017006-003 3.6 m

2017006-004 1.2 m

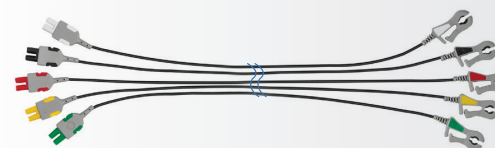
Leadwire

Multi-Link radiolucent leadwire set, grabber, DIN,
IEC, 5-Lead†

403751-014 1.2m/48 in

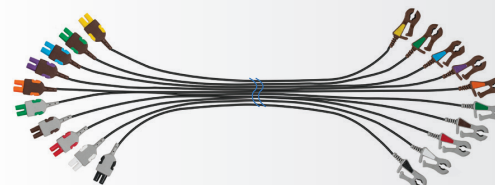
† Picture not available

Note: DIN converter needed



Multi-Link radiolucent leadwire set, grabber, IEC,
5-Lead

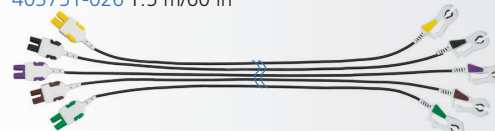
403751-025 1.5 m/60 in



Multi-Link radiolucent leadwire set, grabber, IEC,
10-Lead

403751-022 1.2 m/48 in

403751-026 1.5 m/60 in



Multi-Link radiolucent leadwire set, grabber, IEC,
C2-C6 Leads

403751-029 1.2 m/48 in

403751-033 1.5 m/60 in

Electrodes



Electrode suggestion: 2009110-XXX

Refer to the electrode application guide in the
back for additional offerings.

DIN converters

Monitor



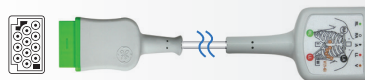
Dash 3000/4000/5000

S/5 with M-PRESTN, M-RESTN, M-PRETN,
E-PRESTN, E-RESTN, E-PRETN, FM with E-PSM(P)

CARESCAPE Monitors B450, B650 and B850
with E-PRESTN, E-RESTN, E-PRETN, E-PSM(P) and
Patient Data Module (PDM)

B20, B30, B40 Patient Monitors (3/5 lead only)

Trunk cable



Multi-Link 3/5-Lead ECG care cable, IEC

[2017003-003](#) 3.6 m

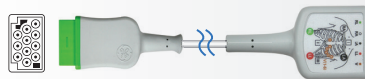
[2017003-004](#) 1.2 m

[412931-022](#) 6.0 m



Multi-Link
3-Lead DIN
converter

[414371-001](#)



Multi-Link 3/5-Lead ECG care cable, IEC

[2017003-003](#) 3.6 m

[2017003-004](#) 1.2 m

[412931-022](#) 6.0 m



Multi-Link
5-Lead DIN
converter

[414370-001](#)



Multi-Link 12 SL ECG care cable, IEC

[2017006-003](#) 3.6 m

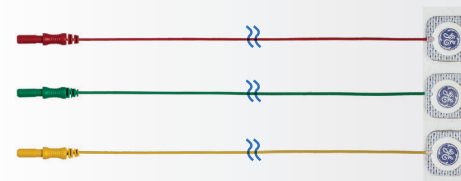
[2017006-004](#) 1.2 m



Multi-Link
12-Lead DIN
converter kit

[414370-012](#)

Leadwire



Neonatal cloth radiolucent electrodes with
pre-attached DIN leadwires, IEC

[2009101-406](#)

Multi-Link radiolucent leadwire set, grabber, DIN,
IEC, 5-Lead†

[403751-014](#) 1.2m/48 in

† Picture not available

Electrodes



Electrode suggestion: [2009110-XXX](#)

Refer to the electrode application guide in the
back for additional offerings.

Electrode application guide

Part number	Description	Resting ECG	Stress and holter	Monitoring, OR, & telemetry	Cath Lab, MRI
2009101-003P	Adult resting ECG electrodes, large tab, 10/card	●			
2009101-103P	Adult resting ECG electrodes, medium tab, 14/card	●			
2009101-003	Adult resting ECG electrodes, medium tab, 10/card	●			
2009101-210	Pediatric resting ECG electrodes, small tab, 10/card	●			
2009101-403	Neonatal cloth radiolucent electrodes, 3/strip			●	●
2009101-406	Neonatal cloth radiolucent electrode with pre-attached DIN leadwires, IEC, 3/strip			●	
2009109-003	Adult vinyl tape round solid gel electrodes, 3/pouch			●	
2009109-005	Adult vinyl tape round solid gel electrodes, 5/pouch		●	●	
2009109-050	Adult vinyl tape round solid gel electrodes, 50/pouch		●	●	



2009101-003



2009101-210



2009109-050

Part number	Description	Resting ECG	Stress and holter	Monitoring, OR, & telemetry	Cath Lab, MRI
2009110-003	Adult foam round solid gel electrodes, 3/pouch			●	
2009110-005	Adult foam round solid gel electrodes, 5/pouch		●	●	
2009110-050	Adult foam round solid gel electrodes, 50/pouch		●	●	
2009110-050R	Pediatric foam radiolucent solid gel electrodes, 50/pouch		●	●	●
2009110-050W	Adult foam round wet gel electrodes, 50/pouch		●	●	
2009110-150	Pediatric foam round solid gel electrodes, 50/pouch		●	●	
2009111-150	Pediatric cloth round solid gel electrodes, 50/pouch		●	●	
2009111-050	Adult cloth round solid gel electrodes, 50/pouch		●	●	



2009110-050



2009110-050R



2009111-150

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