

KEY FEATURES/BENEFITS

- Lancet cut sharp tip for low penetration resistance
- Low noise and impedance level giving you a clear and reliable signal
- Stainless steel needle optimized between strength and flexibility
- Color-coded lead wires

INTENDED USE

Ambu Neuroline Subdermal

- Electroencephalography (EEG)
- Evoked Potentials (EP)
- Intra-Operative Monitoring (IOM)

Ambu Neuroline Twisted Pair Subdermal

- Evoked Potentials (EP)
- Intra-Operative Monitoring (IOM)

Ambu[®] Neuroline Subdermal and Ambu[®] Neuroline Twisted Pair Subdermal

Ambu Neuroline Subdermal and Ambu Neuroline Twisted Pair Subdermal needles provide confidence and reliability, which is needed in the operating room. The needles have been optimised to provide effortless, secure recordings. The needles are made of solid stainless steel, which offer the combination of strength and flexibility. Strength ensures that you quickly and efficiently penetrate the skin. In addition, the tip of the needle is sharpened with precision to an ultra sharp lancet cut for easy skin penetration. The needles minimize interference and artifact. The Twisted Pair alternative is especially recommended for Intra-Operative Monitoring recordings. The lead wires are color-coded and are available in 20 different color combinations for easy placement identification. Each lead wire has a standard touch-proof safety connector.

ENVIRONMENT

PVC-free electrode	No
Latex-free electrode	Yes
PVC-free lead wire	No
Latex-free lead wire	Yes
PVC-free packaging	Yes

MATERIALS - PACKAGING

Pouches, transparent layer	Polyester (PET)
Pouches, centre layer	Polypropylene (PP)
Pouches, paper layer	Paper
Boxes	Cardboard

MATERIALS - ELECTRODE SUBDERMAL

Needle	Stainless steel
Lead wire	Copper wire with Polyvinyl chloride (PVC) insulation
Connection	Phosphor Bronze
Plastic protection	Polyethylene (PE)
Connector type	1.5 mm touch-proof (DIN 42 802)
Sterilization method	EO-sterilized

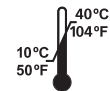
MATERIALS - ELECTRODE TWISTED PAIR SUBDERMAL

Needle	Stainless steel
Lead wire	Copper wire with Polyvinyl chloride (PVC) insulation
Connection	Phosphor Bronze
Plastic protection	Polyethylene (PE)
Connector type	1.5 mm touch-proof (DIN 42 802)
Sterilization method	EO-sterilized

CONNECTORS:



M = 1.5 mm



Storage temperature

AVAILABLE CONFIGURATIONS SUBDERMAL

Item No.	Lead wire length		Needle length		Caliber mm/ gauge no.	Lead wire color	Shelf life in months (unopened pouches)	Packaging		
	cm	inch	cm	inch				pouch	box	carton
745 12-50/24	50	20"	12	0.5"	0.40 27G		60	1	24	384
745 12-100/24	100	40"	12	0.5"	0.40 27G		60	1	24	384
745 12-150/24	150	60"	12	0.5"	0.40 27G		60	1	24	384
745 12-250/24	250	100"	12	0.5"	0.40 27G		60	1	24	384



AVAILABLE CONFIGURATIONS TWISTED PAIR SUBDERMAL

Item No.	Lead wire length		Needle length		Caliber mm/ gauge no.	Lead wire color	Shelf life in months (unopened pouches)	Packaging		
	cm	inch	cm	inch				pouch	box	carton
74612-100/1/20	100	40"	12	0.5"	0.40 27G		60	1	20	160
74612-150/1/20	150	60"	12	0.5"	0.40 27G		60	1	20	160
74612-200/1/20	200	80"	12	0.5"	0.40 27G		60	1	20	160
74612-250/1/20	250	100"	12	0.5"	0.40 27G		60	1	20	160
74612-100/2/20	100	40"	12	0.5"	0.40 27G		60	1	20	160
74612-150/2/20	150	60"	12	0.5"	0.40 27G		60	1	20	160
74612-200/2/20	200	80"	12	0.5"	0.40 27G		60	1	20	160
74612-250/2/20	250	100"	12	0.5"	0.40 27G		60	1	20	160



Leadwire colors: 2 different kits each with 5 different colors paired with a black lead wire and the same 5 colors paired with a white lead wire. Each box contains 2 pieces of each pair.

DIRECTIONS

1. Peel the sterile pouch open and remove the single patient needle electrode.
2. Connect the single patient needle electrode to the equipment.
3. Remove the protective tube.
4. After use, dispose of the needle electrode in a designated container. The needle electrodes are for single patient use only. However, the electrodes may be used more than once on the patient during the examination.

PRECAUTIONS

Single Patient EMG needle electrodes are for single patient use only. Do not re-use or re-sterilize.

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