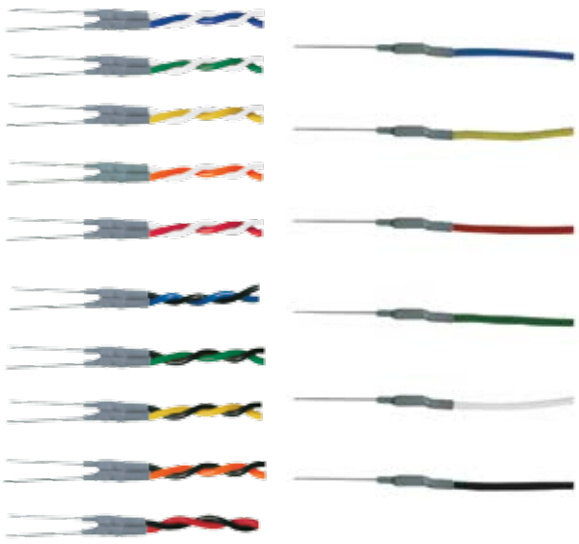
Ambu® Neuroline Subdermal Needle Electrode
Ambu® Neuroline Twisted Pair Subdermal Needle Electrode



Key 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 soft lead wires

Recomended Application

Ambu Neuroline Subdermal Needle Electrode

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

Ambu Neuroline Twisted Pair Subdermal Needle Electrode

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

Ambu® Neuroline Subdermal Needle Electrode
Ambu® Neuroline Twisted Pair Subdermal Needle Electrode

Ambu Neuroline Subdermal Needle Electrodes and Ambu Neuroline Twisted Pair Subdermal Needle Electrodes 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 have low interference and artifacts.

The Ambu Neuroline Subdermal Needle Electrodes and Ambu Neuroline Twisted Pair Subdermal Needle Electrodes are 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.

Ambu
Ideas that work for life

Specifications

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

M = 1.5 mm

Materials

Electrode Subdermal & Electrode Twisted Pair Subdermal	
Needle	Stainless steel
Lead wire	Copper tinned wire with Polyvinyl chloride (PVC) insulation
Connection	Copper Alloy
Plastic protection	Polyethylene (PE)
Connector type	1.5 mm touch-proof (DIN 42 802)
Sterilization method	EO-sterilized
Packaging	
Pouches, transparent layer	Polyethylene terephthalate (PET)
Pouches, centre layer	Polypropylene (PP)
Pouches, paper layer	Paper
Boxes	Cardboard

Storage temperature

Available configurations

Item No.	Lead wire length		Needle length		Caliber mm/		Lead wire color	Shelf life in months	Packaging		
	cm	inch	mm	inch	gauge no.			(unopened pouches)	pouch	box	carton
Subdermal											
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
Twisted Pair Subdermal											
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 use needle electrode.
2. Connect the single use 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 use only. However, the electrodes may be used more than once on the patient during the examination.

Precautions

Single Use needle electrodes are for single use only. Do not re-use or re-sterilize.

Ambu A/S
Baltorpbakken 13
DK - 2750 Ballerup
Denmark
Tel. +45 7225 2000
Fax +45 7225 2053
www.ambu.com

CE US: Rx only