

Your safety

IS OUR HIGHEST PRIORITY





Highly durable, lightweight, waterproof and breathable

Complete clothing concept

The concept has been tested and developed with Sintef for use in extreme cold, wet and windy working environments

Approved; EN ISO 11612, EN ISO 11611 cl.2, EN 1149-5, IEC 61482-2 cl.2, EN ISO 20471 cl.3, EN 13034 Type 6, EN 343 cl.3.3. Arc rating EBT50: 49,1 cal/cm²

PYRAD ELECTRIC ARC COLLECTION

A new product that changes how we look at electric-arc approved workwear

Workers in the power industry work throughout the year in all kinds of weather, often with intense levels of activity. The risk of electrical arcing can never be 100% eliminated, which is why workwear must protect and reduce electric-arc injury.

Pyrad Electric Arc is a collection of lightweight clothing that gives superior user comfort and optimum freedom of movement. The collection remains waterproof and breathable. It's ISO certified in according to arcing, anti-flame, anti-static and visibility.

Today's arc-approved workwear is heavy and it absorbs a lot of water and takes a long time to dry. Research shows that 14% of injuries caused by electric-arc accidents are a consequence of improper use of workwear. For reasons of convenience or economy, users choose not to dress in appropriate workwear. Hence increased comfort = increased safety.

Advantages of the new Pyrad Electric Arc collection:

- The collection is up to 45% lighter
- Increased freedom of movement
- Improved protection from wind and weather
- Tested and approved in according to anti-flame, anti-static and electric-arc, welding, visibility, rain, EBT50: 49.1 cal/cm2

Protection against the elements is essential to prevent workers from getting wet and cold. To prevent heat penetration, it is essential to keep base and mid layers dry, reducing the risk of severe burn injuries from an electric-arc explosion.

A wet Pyrad Electric Arc jacket dries within 1.5 hours. Other arc-certified workwear has a far longer drying time.

The Pyrad Electric Arc collection offers the market's lightest garments certified in accordance with EN 61482-1-2 Class 2.

Pyrad Electric Arc can withstand plenty of cleaning and is designed to be durable, making it both economical and very comfortable.

Pyrad Electric Arc is certified in accordance with the following standards: EN ISO 11612, EN ISO 11611 2, EN 1149-5, IEC 61482-2 cl.2, EN ISO 20471 cl.3, EN 13034 Type 6, EN 343 cl.3.3

ADVANTAGES

Highly comfortable in all working positions - keeps the user dry and warm throughout the working day

3-ply shell layer, a hood designed for use together with ear protectors and helmet

Keeps you warm and comfortable without reducing freedom of movement.

The wearer can perform work in hazardous areas without changing clothes, focusing on performing the task - safe and comfortably

GORE-TEX JACKET AND TROUSER PYRAD ELECTRIC ARC



- Approved electric arc EN 61482-1-2 cl.2
- Arc rating EBT50: 49,1 cal/cm2
- Highly comfortable in all working positions suitable for use together with safety harness
- Low weight approved shell cloth with excellent comfort, 45% lower weight than comparable clothing.
- Waterprooved 25.000 mm



















GUIDELINES

- NORSOK S-002 Working Environment -> ISO 11079
- Recommendations in accordance to recommended exposure time for outdoor work based on wind chill temperature
- Clothing that has been documented to meet requirements / guidelines
- Wind chill temp. (WCT))
 - Apparent Temperature calculated from wind speed and air temperature.
 - Relevant to the risk of frostbite to exposed skin

WCT °C	CHANCE OF FROSTBITE	DURATION OF EXPOSURE	PREVENTATIVE MEASURES				
10 til -9 COOL	0: Low risk < 5% chance of frostbite	Unlimited	Dress warmlyStay dryUse caution if performing tasks only with the hands				
-10 til -24	1: Low risk < 5% chance of frostbite Feels uncomfortable to most	40-120 min	 Warm clothes, where the shell layer is wind and waterproof Headgear, gloves, scarf and insulating waterproof footwear Stay dry, warm and active Use caution if performing tasks only with the hands 				
-25 til -34 UNCOM- FORTABLY COLD	2: Moderate risk of frostbite Increased risk of frostbite within 10-30 mins Extremely cold	10-30 min	 Warm clothes, where under layers and shell layer are wind and waterproof Minimise unprotected skin (balaklava and glasses) Headgear, gloves, scarf, face protection, insulated and waterproof footwear Stay dry, warm and active Take breaks with hot drinks Check face, hands and feet for numbness and whitening 				
-35 til -59 EXTREME- LY COLD	3: High risk Extremely cold. Frostbite within 0-10 min	0-10 min	 Warm clothes, where under layers and shell layer are wind and waterproof Protect all areas of skin Headgear, gloves, scarf, face protection, insulated and waterproof footwear Stop work after a short period of time, consider postponing planned activity Stay dry, warm and active. 				

WIND FORCE	WIND SPEED		AIR TEMP °C						
BEAUFORT SCALE (m/s)	Km/h	m/s	0	-5	-10	-15	-20	-25	
LICUT DDEEZE (4.0.0.0)	5	1.4	-2	-7	-13	-19	-24	-30	
LIGHT BREEZE (1.6-3.3)	10	2.8	-3	-9	-15	-21	-27	-33	
GENTLE BREEZE (3.4-5.4)	15	4.2	-4	-11	-17	-23	-29	-35	
UENILE DREEZE (3.4-3.4)	20	5.6	-5	-12	-18	-24	-31	-37	
MODERATE BREEZE (5.5-7.9)	25	6.9	-6	-12	-19	-25	-32	-38	
WIUDENAIE BREEZE (3.3-1.9)	30	8.3	-7	-13	-20	-26	-33	-39	
FRESH BREEZE (8.0-10.7)	35	9.7	-7	-14	-20	-27	-33	-40	
FNESH DNEEZE (0.U-1U./)	40	11.1	-7	-14	-21	-27	-34	-41	
STRONG BREEZ (10.8-13.8)	45	12.5	-8	-15	-21	-28	-35	-42	
31NUNU DNEEZ (10.8-13.8)	50	13.9	-8	-15	-22	-29	-35	-42	

STATIONARY WORK Light, low-intensity work, eg. light manual work, inspections Speeds up to 3.5 km/h Pulse rate up to 90 bpm

ACTIVE WORK

Heavy work with moderate to high labor intensity eg. carrying, moving materials, Speeds over 5.5 km/h Pulse rate 110-130 hom

	SHELL LAYER			MID LAYER		BASE LAYER	BASE LAYER	MID LAYER		SHELL LAYER		
WCT	PARKA	VEST	0-56850-19819 0-26850-19819	0-100-177	0-251-277	0-1228-120 0-1100-120	0-1228-120 0-1100-120	0-251-277	0-100-177	0-56850-19819 0-26850-19819	VEST	PARKA
				COOL	TO COLD:	EFFECTI	VE TEMP	. +10 TO	-24°C			
ı						Ш						
	UNCOMFORTABLY COLD: EFFECTIVE TEMP25 TO -34°C											
П												
				EXTREM	NELY COL	D: EFFEC	TIVE TEN	1P35 T	0 -59°C			

GORETEX JACKET PYRAD ELECTR. ARC 0-56850-19819

Additional reflectors on shoulder. Detachable hood with adjustment cap with room for helmet. Zipper hidden under storm flap in the front. Adjustment in hem. Two breast pockets with hidden zippers and D-ring. Map pocket with zip, mobile phone pocket and pen pocket inside the map pocket. Two front zippered pockets. Flap with velcro. Velcro adjustment in closing the sleeve. Zipper in lining for simplified embroidery and application of logo.

COLOR 3205 Yellow fluorescent/Navy

SIZE S-XXXL

STANDARD EN 1149-5: 2008, EN ISO 20471:2013 XS-S klasse 2 og

> M-> klasse 3, EN ISO 11612:2015 A1+A2 B1 C1 D3 E1 F1, IEC 61482-2:2009, Etb50 49,1 cal/cm2, HAF:94,8, klasse 2 (7 KA), EN ISO 11611:2015 klasse 2 A1+A2, EN 343:2003+A1:2007

klasse 3.3 EN 13034:2005+A1:2009 Type PB(6)

MATERIAL Outer fabric / contrast, Gore Ebro 2L: 99.4% polyester,

0.6% Carbon with Gore Pyrad Fabric tecnology Bicomponent membrane based on ePTFE, 215 g / m2: 100% PKM, 160 g / m2

Mesh: 100% Meta Aramid, 105 g/m





















0-26850-19819 **GORETEX TROUSER PYRAD ELECT.ARC**

Detachable and elastic braces with adjustment. Flap over zip fly that closes with Velcro. Two zippered thigh pockets. D-ring under flap. Tools pocket. Two-way zipper in the trouser legs hidden under flap that closes with Velcro. Adjustment hem. Knee pad pocket. Zipper in lining for simplified embroidery and application of logo.

COLOR 3205 Yellow fluorescent/Navy

SIZE S-XXXI

STANDARD EN 1149-5: 2008, EN ISO 20471:2013 XS-S klasse 2, Bukse +

jakke klasse 3, EN ISO 11612:2015 A1+A2 B1 C1 D3 E1 F1, IEC 61482-2:2009, Etb50 49,1 cal/cm2, HAF:94,8, klasse 2 (7 KA), EN ISO 11611:2015 klasse 2 A1+A2, EN 343:2003+A1:2007

klasse 3.3 EN 13034:2005+A1:2009 Type PB(6)

MATERIAL Outer fabric / contrast, Gore Ebro 2L: 99.4% polyester,

0.6% Carbon with Gore Pyrad Fabric tecnology Bicomponent membrane based on ePTFE, 215 g / m²: 100% PKM, 160 g / m²



























GORE-TEX JACKET ARTIC PROTECTION 0-56830-19819

Additional reflectors on shoulder. Detachable hood with adjustment cap with room for helmet. Zipper hidden under storm flap in the front. Adjustment in hem. Fixture for radio on chest and waist. Two breast pockets with hidden zippers and D-ring. Map pocket with zip, mobile phone pocket and pen pocket inside the map pocket. Two front zippered pockets. Flap with velcro. Velcro adjustment in closing the sleeve. Zipper in lining for simplified embroidery and application of logo.

COLOR 3205 Yellow fluorescent/Navy

SI7F S-XXXI

STANDARD EN 1149-5: 2008, EN ISO 20471:2013 XS-S klasse 2 og

M-> klasse 3, EN ISO 11612:2015 A1+A2 B1 C1 D3 E1 F1, IEC 61482-2:2009, Etb50 49,1 cal/cm2, HAF:94,8, klasse 2 (7 KA), EN ISO 11611:2015 klasse 2 A1+A2, EN 343:2003+A1:2007

klasse 3.3 EN 13034:2005+A1:2009 Type PB(6)

MATERIAL Outer fabric / contrast, Gore Ebro 2L: 99.4% polyester,

0.6% Carbon with Gore Pyrad Fabric tecnology Bicomponent membrane based on ePTFE, 215 g / m^2 : 100% PKM, 160 g / m^2

Mesh: 100% Meta Aramid, 105 g/m

























0-80930-19819 **GORE-TEX COVERALL ARCTIC PROTECTION**

Additional reflectors on shoulder. Hood with adjustment cap with room for helmet. Zipper hidden under storm flap in the front. Fixture for radio at the breast, and gas meter. Two breast pockets with hidden zippers and D-ring. Map pocket with zip. Inside pocket. Flap with velcro. Two zippered thigh pockets. Tools pocket. Velcro adjustment in closing the sleeve. Loops for removable suspenders. Two-way zipper in the trouser legs hidden under flap that closes with Velcro. Adjustment hem. Knee pad. Zipper in lining for simplified embroidery and application of logo.

COLOR 3205 Yellow fluorescent/Navy

SIZE

EN 1149-5: 2008, EN ISO 20471:2013 XS-S klasse 2 og M-> klasse 3, EN **STANDARD**

ISO 11612:2015 A1+A2 B1 C1 D3 E1 F1, IEC 61482-2:2009, Etb50 49,1 cal/ cm², HAF:94,8, klasse 2 (7 KA), EN ISO 11611:2015 klasse 2 A1+A2, EN 343:2003+A1:2007 klasse 3.3 EN 13034:2005+A1:2009 Type PB(6)

MATERIAL Outer fabric / contrast, Gore Ebro 2L: 99.4% polyester, 0.6% Carbon with

Gore Pyrad Fabric tecnology Bicomponent membrane based on ePTFE,

215 g / m^2 : 100% PKM, 160 g / m^2 Mesh: 100% Meta Aramid , 105 g / m

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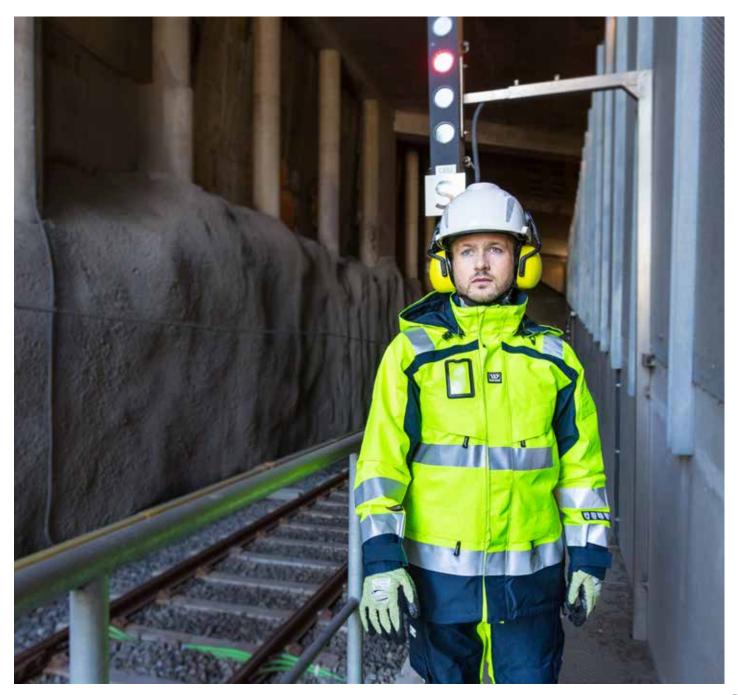












BASE & MID-LAYER - ELECTRIC ARC



DEVOLD SPIRIT SHIRT ZIP NECK

0-1240-120

Flame resistant. Tight, zip neck, long sleeve. Double knitted in merino wool on outside and comfortable Lenzing FR® on inside. Grey contrasting colour in side.

10 Black COLOR SIZE XS-5XL

EN ISO 11612 A1 A2 B1 C1, EN 61482-1-2 cl.1 **STANDARD**

MATERIAL 50% Lenzing FR, 50% Merino wool, 230 g/m².









DEVOLD SPIRIT SHIRT

0-1228-120

Flame retardant. Fitted, rounded neck, long sleeve. Double knitted in merino wool on outside and comfortable Lenzing FR® close to the skin. Grey contrasting colour in sides.

COLOR 10 Black SIZE S-5XL

STANDARD EN ISO 11612 A1 A2 B1 C1, EN 61482-1-2 cl.1 **MATERIAL** 50% Lenzing FR, 50% Merino wool. 230 g/m².





DEVOLD SPIRIT T-SHIRT

0-1219-120

Antiflame, Fitted, rounded neck, short sleeves. Double knitted in merino wool on outside and comfortable Lenzing FR® on inside. Grey contrasting colour in sides.

COLOR 10 Black SIZE S-XXXL

STANDARD EN ISO 11612 A1 A2 B1 C1, EN 61482-1-2 cl.1 **MATERIAL** 50% Lenzing FR, 50% Merino wool. 230 g/m².











DEVOLD SPIRIT LONG JOHNS

0-1100-120

Flame resistant. Tight. Wide elastic band in waist. Double knitted in merino wool on outside and comfortable Lenzing FR® on inside. Contrasting colour in seams.

COLOR 10 Black SIZE S-5XL

STANDARD EN ISO 11612 A1 A2 B1 C1, EN 61482-1-2 cl.2 **MATERIAL** 50% Lenzing FR, 50% Merino wool, 230 g/m²













DEVOLD THERMAL LONG JOHNS

0-100-177

Elastic waist, ribbed lower leg. Provides good protection against cold, radiant

heating, flames, and metal splash. Exterior is smooth to provide optimum protection. Inside is brushed for maximum insulation.

COLOR 10 Black SIZE I-XS

STANDARD EN ISO 11612 A1 A2 B1 C1, EN 61482-1-2 cl.1

MATERIAL 100% Pure New Wool, 470 g/m²











DEVOLD SPIRIT BALACLAVA

0-1818-120

Flame retardant. Covers head and neck. Double knitted with merino wool on outside and comfortable Lenzing FR® garment on inside. Grey contrast colour in front.

COLOR 10 Black SIZE

STANDARD EN ISO 11612 A1 A2 B1 C1, EN 61482-1-2.

MATERIAL 50% Lenzing FR, 50% Merino wool, 230 g/m².







DEVOLD THERMAL JACKET ANTISTATIC

0-251-277

Zipper in front - up to collar, side panels, thumb grip. Protects against radiant heat, cold temperatures, metal splash and flames. Exterior is smooh to provide optimum protection. Brushed inside for optimum insulation.

COLOR 10 Black SIZE XS-XXXL

STANDARD EN ISO 11612 A1 A2 B1 C1, EN 1149-5,

EN61482-1-2 KL.1

98% Pure New Wool, 2% NEGA-STAT, 470 g/m² MATERIAL















DEVOLD SPIRIT HEADOVER

0-840-120

Flame resistant. Can be folded and used as a scarf. Double knitted in merino wool on outside and comfortable Lenzing FR® on inside.

COLOR 10 Black SIZE 1size

STANDARD EN ISO 11612 A1 A2 B1 C1, EN 61482-1-2.

MATERIAL 50% Lenzing FR, 50% Merino wool, 230 g/m².









ELECTRICAL INSULATION



ASTM (F2412-05) provides electrical insulation up to 14.000 V. This means the footwear does not conduct electricity. If an accident happens, the shoes insulate the body from the ground, preventing the flow of electricity through the body and into the ground. The footwear is suitable for use when working with live wires. "Electrically insulating" is the opposite of "ESD" and "anti-static", making its use unsuitable in places where there is a danger of a static electric charge igniting flammable gases or liquids.

0-75-235 SHOE MULTINORM SB

Upper in full grained leather and antiflame fabric Composit toe cap, 3M[™] Thinsulate[™] lining. Heat resistant two-layer rubber /PU sole (Active Grip). Sole insulates up to 14 000V. CCS shock absorption with moisture absorbing removable insole. Soft penetration sole.

COLOR 10 Black SIZE 38-48

STANDARD EN ISO 20345:2011, SB E P CI HRO WRU FO SRC ASTM

F2412-05:2005

MATERIAL Upper: Full-grain leather, textile. Lining: Thinsulate 3M+.

Outsole: PU/ rubber. Safety toecap: Composite.

Penetration protection: Ballistic.





0-75-335 ANCLE BOOT MULTINORM SB

Upper in full grained leather and antiflame fabric Composit toe cap, 3M[™] Thinsulate[™] lining. Heat resistant two-layer rubber /PU sole (Active Grip). Sole insulates up to 14 000V. CCS shock absorption with moisture absorbing removable insole. MFS for good stability and comfort. Soft penetration sole.

COLOR 10 Black SIZE 38-48

STANDARD EN ISO 20345 SB E AN P CI HRO SRC WRU FO ASTM F2412-

05:205

MATERIAL Upper: Full-grain leather, textile. Lining: Thinsulate 3M+.

Outsole: PU/ rubber. Safety toecap: Composite.

Penetration protection: Ballistic.





0-75-435 LACE BOOT MULTINORM SB

Safety boots with composite toe cap, non-metallic midsole protection and Active Grip outsole. Lace up boots in full grain leather and antiflame textile with carbon details. Lined with two-layer, climate adapted 3M™ Thinsulate ™. Heat resistant sole with small rubber studs for increased slip resistance (active-grip). Non-metallic midsole protection and composite toe cap. Introducing the new CCS (Complete Cushion System) designed to give the ultimate in shock absorption and strain reduction, and MFS/Poron® XRD ankle protection. The protection system consists of a pressure balanced, protective foam and shock absorbing material PoronXRD Dielectic Footwear Insulation (ASTM F2413-05 DI) has been designed and produced to provide additional insulation in case of accidental contact with energized electrical conductors, devices or circuits. Dielectic Insulation sole insulates up to 14,000 volts.

COLOR 10 Black SIZE 38-48

STANDARD EN ISO 20345:2011, SB E P AN CI HRO WRU FO SRC ASTM

F2412-05:2005

MATERIAL Upper: Full-grain leather, textile. Lining: Thinsulate 3M+.

Outsole: PU/ rubber. Safety toecap: Composite.

Penetration protection: Ballistic.





SOCK DEVOLD THIN ANTIFLAME

0-1000-801

Thin, durable sock. Protective against flame and melted metal.

COLOR 60 Grey SIZE M-XL

STANDARD EN 531 A1 B1 C1

MATERIAL 48% Wool, 48% Lenzing FR, 4% Elastan

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SOCKS FR SIZE 39-42

Wool socks, extra thick, durable and comfortable.

COLOR 60 Grey

 SIZE
 39-42
 0-33700-5

 SIZE
 43-46
 0-33700-0

 SIZE
 47-48
 0-33700-10

 STANDARD
 EN ISO 11612 A1 B3 C2 D3.

MATERIAL 80% wool, 18% polyamide, 2% elastane.

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GLOVES - ELECTRIC ARC

0-6-80813 **GLOVE POWERFLEX**

First glove to combine outstanding flame resistance, high cut protection and ergonomic design. Materials used in the glove are inherently flame resistant, even after washing. Arc Flash Hazard/Risk Category 2*: helps protect workers against arc flash hazards. Exclusive composite yarn provides exceptional cut resistance for safe handling of sharp objects and materials. Soft foam coating to ensure great flexibility and a secure grip in a variety of environments. Ergonomic design for superior comfort and reduced hand fatigue.

Minimum: 1 bundle of 12 pairs. Carton: 12 bundles

COLOR 98 Assorted

SIZE

STANDARD EN 420, EN 388, EN 407, EN 1149, ASTM F1959-05

MATERIAL Lining: Modacrylic glass fiber Kevlar

Coating: Foam neoprene

















Electrical over gloves provide workers with additional protection for their latex electrical gloves. When worn with the corresponding electrical glove, the over glove provides mechanical protection from cuts and tears, improving and ensuring complete protection. Velcro adjustment strap on the back provides the glove with good support. 1 pair. Carton: 50 pair.

COLOR 98 Assorted

SIZE

STANDARD EN 420:2003, EN 388:2003

MATERIAL Cowhide









GLOVE ISO ARC 0-209-2002

For electrical work with a maximum voltage of 1000 volts. Designed to be used in Arc Flach environement. ATPV 21,6/cal. ATPV 21,6 cal/cm². Arc flash rating performed by a third party lab: box test 4KA/30cm. Its dielectric natural latex composition on chlorinated interior base makes it very comfortable. The outer orange elastomer layer provides excellent mechanical resistance and the glove can also be used without over glove. Its anatomical shape makes flexing easier while ensuring a high level of protection. Product appreciated for its long life and precision. Its patterned finish gives it a highly appreciated grip in damp conditions. Minimum order quantity: 1 pair. Carton: 50 pairs.

COLOR 98 Assorted

SIZE

STANDARD IEC EN 61482-1-2, IEC EN 60903:2003

MATERIAL Latex and polychloroprene







0-950-31000 V-GARD 950 80A00GG WITH EAR FLAPS

Unventilated 1000 volt electrician helmet, with ear protection and silver reflective, with protection against arc flash. 6-point suspension, integrated visor, brim and rain channel. Protect against lateral crush (LD). 30 mm slot for attachment of accessories. Size 52-63 cm.

COLOR 40 White SIZE STK

STANDARD EN 397, EN 50365, EN 166, EN 13463-1, GS-ET-29 class 1 (4kA)

MATERIAL ABS



MSA

0-1008-7422 MSA EARMUFFS HIGH HELMET ATTACHMENT

Passive earmuff with helmet attachment (14). Fluorecent yellow color. Designed for difference between left and right ear. Suitable for working environment with high noise level. Suitable for MSA-helmets. Carton: 20 pcs.

COLOR 98 Assorted SIZE STK

STANDARD EN 352-3Attenuation: SNR=31dB H=32dB M=28dB L=21dB

MSA



0-1008-7399 MSA EARMUFFS HIGH W/HEADBAND

Passive earmuff with headband. Fluorescent yellow colour. Designed for difference between left and right ear. Suitable for working environment with high noise level. Carton: 20 pcs.

COLOR 98 Assorted SIZE STK

STANDARD EN 352-1Attenuation: SNR=33dB H=33dB M=31dB L=23dB

MSA



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